PLANAR MONOLITHICS INDUSTRIES, INC.

RF / MICROWAVE COMPONENTS & MULTIFUNCTION MODULES / SUBSYSTEMS

TECHNICAL CAPABILITIES & FACILITIES PRESENTATION

December 13, 2020

PMI WEST COAST:
4921 ROBERT J. MATHEWS PKWY, SUITE 1
EL DORADO HILLS, CA 95762, USA
Tel: 916-542-1401

sales@pmi-rf.com
http://www.pmi-rf.com

PMI EAST COAST:
7311 - F GROVE ROAD
FREDERICK, MD 21704, USA
Tel: 301-662-5019
Planar Monolithics Industries, Inc. (PMI), an “S” Corporation, was founded by Dr. Ash (Ashok) Gorwara on November 11th, 1989 to take advantage of the growing demand in monolithic based products using Hybrid MIC/MMIC technology. PMI offers its unique DC to 50 GHz products for applications in space, military, telecommunications, communications and consumer electronics.

Today, PMI is being directed into the 21st Century by expanding the applications of RF/Microwave components and subsystems into new, low cost, RF/Microwave receiving and transmitting systems for both civilian and military customers.

Effective April 30 2013, PMI, 7311-F Grove Road, Frederick, Maryland, USA 21704, USA, http://www.pmi-rf.com acquired 100% of all the assets & property of HARI, LLC, www.harillc.com (Formerly operating as Genesis Microwave Inc., www.genesismicrowave.com ) located at 4980 Hillsdale Circle, Suite B, El Dorado Hills, CA 95762, USA.

These assets include all the test and manufacturing equipment and machinery, designs, Documentation, drawings and Intellectual property in the form of hard copies and in computer format in servers, CD's, storage areas, etc. Also included in these assets are the Office Equipment & Machinery, etc. and Computers, Office furniture, Finished goods, In-process and Raw Materials & Inventories and other Miscellaneous items. In addition to these assets, included are, all the stock in trade, merchandise, fixtures, equipment, goodwill and trade of the known business as "HARI LLC".

All the RF/MICROWAVE products, components, subsystems, etc. being designed, manufactured, serviced and produced by HARI, LLC www.harillc.com (Formerly operating as Genesis Microwave Inc., www.genesismicrowave.com ) until 30th April 30 2013, will now be offered, provided, produced, manufactured and serviced by PMI, at its West Coast Facilities Operations located at 4921 Robert J. Mathews Parkway, Suite 1, El Dorado Hills, CA 95762, USA.

**WEST COAST FACILITY:**
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 •USA•
Phone: 916-542-1401

**EAST COAST FACILITY:**
7311-F Grove Road
Frederick, MD 21704 •USA•
Phone: 301-662-5019

sales@pmi-rf.com
http://www.pmi-rf.com/about
PMI was founded to take advantage of the growing demand in monolithic-based products using the Hybrid MIC/MMIC technology innovations that are mushrooming in a big way all over the world. High performance and reliable products can be obtained by using this technology.

A vacuum existed in the demand for state-of-the-art Hybrid MIC/MMIC Components and Subsystems. PMI has been setup to Design, Develop, Manufacture, Test, and Market complex state-of-the-art:

- Hybrid RF/Microwave and Monolithics Integrated Circuits (MIC/MMIC) and Components
- Hybrid MIC/MMIC Supercomponents and Subsystems

PMI provides its unique products for applications in space, military, communications, telecommunications and industrial electronics systems.

PMI has been set up to perform research, design, develop, manufacture and market various MIC/MMIC (Microwave Integrated Circuits and Monolithic Microwave Integrated Circuits) Components, Super components, and Subsystems for applications in Telecommunications, Terrestrial, Satellite, and Mobile-Radio Communications, UAVs (Unmanned Aerial Vehicles) & Drones, Defense (ECM, ECCM, ESM, Radars, SIGINT, and Electronic Warfare), Navigation and Marine Electronics, FAA/DOT-Avionics, Ground Based Systems, and Microwave Landing Systems.

Worldwide demand exists for High Reliability, Low Cost systems. Such needs can be satisfied by PMI by using its unique Hybrid MIC/MMIC Technologies and products that the team has developed called Application Specific Hybrid Microwave/Monolithics Integrated Circuits (ASHMIC/ASHMMIC*). *Trademark of PMI.
PMI Evolution and Purpose

As a manufacturer PMI utilizes our own designs for all components, integrated modules and subsystems:

DC to 50 GHz

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA
Phone: 916-542-1401

sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA
Phone: 301-662-5019
Planar Monolithics Industries, Inc. has been in business for over 25 years as a manufacturer of electronic components for defense applications. Applications such as Receiver Front-Ends, Synthesizers and Transceivers. As well as a large variety of RF components that compliment this target market. Our technical goal is to produce the finest products available that resolve this mathematical statement:

\[ V_{(\text{input})} = A \cos(\omega_c t + \phi_t) \]

**WEST COAST FACILITY:**
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 •USA•
Phone: 916-542-1401

**EAST COAST FACILITY:**
7311-F Grove Road
Frederick, MD 21704 •USA•
Phone: 301-662-5019

sales@pmi-rf.com
http://www.pmi-rf.com/about
Application of PMI DC to 50 GHz Components & Sub-Systems

TYPICAL EW, ECM, ESM RECEIVER FRONT-END

\[ V_{\text{input}} = A \cos(\omega_c t + \phi_l) \]

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA•
Phone: 916-542-1401

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA•
Phone: 301-662-5019

sales@pmi-rf.com
http://www.pmi-rf.com/about
Application of PMI DC to 50 GHz Components & Sub-Systems

TYPICAL TRANSCEIVER / TRANSPONDER BLOCK DIAGRAM

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA•
Phone: 916-542-1401

sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA•
Phone: 301-662-5019
Application of PMI DC to 50 GHz Components & Sub-Systems

TYPICAL RADAR WARNING RECEIVER FRONT-END OR DIRECTION FINDING RECEIVER FRONT-END SUB-SYSTEM

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA•
Phone: 916-542-1401

sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA•
Phone: 301-662-5019
PMI specializes in replacing obsolete parts on old systems. We offer Form-Fit-Functional replacement Parts for any system. If a Source Control Drawing (SCD) is available, we can offer a complete solution to meet all of the given electrical, mechanical and environmental specifications. PMI has designed, manufactured and delivered many of these replacement components such as:

- **IF & RF LOG AMPLIFIERS, SDLVAs & DLVAs**
- **LOW NOISE AMPLIFIERS, VARIABLE GAIN AMPLIFIERS & LIMITING AMPLIFIERS**
- **LIMITERS, DETECTORS, HYBRID COUPLERS & POWER DIVIDERS**
- **PHASE SHIFTERS & BI-PHASE MODULATORS**
- **I & Q VECTOR & SINGLE SIDE-BAND MODULATORS**
- **FILTERS AND SWITCH FILTER BANKS**
- **SWITCHES AND ATTENUATORS**

**WEST COAST FACILITY:**
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA
Phone: 916-542-1401

sales@pmi-rf.com
http://www.pmi-rf.com/about

**EAST COAST FACILITY:**
7311-F Grove Road
Frederick, MD 21704 • USA
Phone: 301-662-5019
PMI PRODUCTS - Solid State Switches

- Amplifiers - Solid State
- Attenuators - Variable/Programmable
- Bi-Phase Modulators
- Couplers (Quadrature, 180, Directional)
- Detectors - RF / Microwave
- DLVs, ERDLVs & SDLVs
- Filters & Switched Filter Banks
- Form, Fit, Functional Products & Services
- Frequency Converters
- Frequency Sources
- Frequency Discriminators & IFM
- Frequency Synthesizers
- Gain & Loss Equalizers
- Integrated MIC/MMIC Assemblies (IMAs)
- IQ Vector Modulators
- Limiters - RF / Microwave
- Log Amps
- Miscellaneous Products
- Monopulse Comparators
- Multifunction Integrated Assemblies (IMAs)
- Phase Shifters & Bi-Phase Modulators
- Power Dividers/Combiners (Passive & Active)
- Pulse Modulators - SP1T
- Rack & Chassis Mount Products
- Receiver Front Ends & Transceivers
- Single Side Band Modulators
- SMT & QFN Products
- Switch Matrices
- Switch Filter Banks
- Switches - Solid-State
- Systems - Radar Sense & Avoid
- Systems - Fly Eye Radar
- Threshold Detectors
- USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA
Phone: 916-542-1401

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA
Phone: 301-662-5019

sales@pmi-rf.com
http://www.pmi-rf.com/about
PMI PRODUCTS – Solid State Switches

- Amplifiers - Solid State
- Attenuators - Variable/Programmable
- Bi-Phase Modulators
- Couplers (Quadrature, 180, Directional)
- Detectors - RF / Microwave
- DLVAs, ERDLVAs & SDLVAs
- Filters & Switched Filter Banks
- Form, Fit, Functional Products & Services
- Frequency Converters
- Frequency Sources
- Frequency Discriminators & IFM
- Frequency Synthesizers
- Gain & Loss Equalizers
- Integrated MIC/MMIC Assemblies (IMAs)
- IQ Vector Modulators
- Limiters - RF / Microwave
- Log Amps
- Miscellaneous Products
- Monopulse Comparators
- Multifunction Integrated Assemblies (IMAs)
- Phase Shifters & Bi-Phase Modulators
- Power Dividers/Combiners (Passive & Active)
- Pulse Modulators - SP1T
- Rack & Chassis Mount Products
- Receiver Front Ends & Transceivers
- Single Side Band Modulators
- SMT & QFN Products
- Switch Matrices
- Switch Filter Banks
- Switches - Solid-State
- Systems - Radar Sense & Avoid
- Systems - Fly Eye Radar
- Threshold Detectors
- USB Products

---

**WEST COAST FACILITY:**
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA
Phone: 916-542-1401

**EAST COAST FACILITY:**
7311-F Grove Road
Frederick, MD 21704 • USA
Phone: 301-662-5019

sales@pmi-rf.com
http://www.pmi-rf.com/about
PMI PRODUCTS – Solid State Switches

6.0 to 18.0 GHz
1.6 W Peak, SP2T Reflective Switch

1.0 to 1.1 GHz
2.5 kW Peak, Integrated T/R Switch Module

7.0 to 18.0 GHz
0.7 W CW, SP6T Absorptive Switch

1.0 to 18.0 GHz
1 W CW, SP3T Absorptive Switch

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA •
Phone: 916-542-1401

2.0 to 4.0 GHz, 300 W Peak, SP2T Reflective Switch

4.0 to 8.0 GHz, 300 W Peak, SP2T Reflective Switch

8.0 to 18.0 GHz, 300 W Peak, SP2T Reflective Switch

6.0 to 18.0 GHz, 1 W Average
SP4T Absorptive Switch

0.3 to 10.0 GHz, 10 W CW,
SP2T Reflective Switch

sales@pmi-rf.com
http://www.pmi-rf.com/about

1.0 to 1.1 GHz
100 W Average, SP2T Reflective Switch

6.0 to 18.0 GHz
1.0 to 1.1 GHz

14

PMI PRODUCTS – Solid State Switches

1.0 to 18.0 GHz
100 W Average, SP2T Reflective Switch

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA •
Phone: 916-542-1401

6.0 to 18.0 GHz
1.0 to 1.1 GHz

100 W Average, SP2T Reflective Switch

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA •
Phone: 916-542-1401

6.0 to 18.0 GHz
1.0 to 1.1 GHz

100 W Average, SP2T Reflective Switch

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA •
Phone: 916-542-1401

6.0 to 18.0 GHz
1.0 to 1.1 GHz

100 W Average, SP2T Reflective Switch

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA •
Phone: 916-542-1401
Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

PMI PRODUCTS - Attenuators

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA
Phone: 916-542-1401

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA
Phone: 301-662-5019

sales@pmi-rf.com
http://www.pmi-rf.com/about
PMI PRODUCTS

Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State Systems - Radar Sense & Avoid Systems - Fly Eye Radar Threshold Detectors USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA
Phone: 916-542-1401

sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA
Phone: 301-662-5019

8.0 to 18.0 GHz, SDLVA
12.0 to 18.0 GHz, SDLVA
0.1 to 18.0 GHz, CW Immune SDLVA
8.0 to 10.0 GHz, 360° Digital Phase Shifter
1.1 to 1.12 GHz, 180° Bi-Phase Modulator/Phase Shifter
DC to 40.0 GHz, SDLVA
6.0 to 18.0 GHz, 360° Digital Phase Shifter
PMI PRODUCTS

1.0 to 2.0 GHz, LNA w/35 dB Gain & 1.4 dB Noise Figure

2.0 to 18.0 GHz, LNA w/30 dB Gain & 4 dB Noise Figure

1.6 to 2.7 GHz, Limiting Amplifier w/40 dB Gain & Limited RF Output of +15 dBm

2.0 to 18.0 GHz, Limiting Amplifier with +21 dBm Limited Output

10 MHz to 6.0 GHz Portable Amplifier with 30 dB Gain

17.0 to 18.0 GHz, Limiting Amplifier

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA
Phone: 916-542-1401

sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA
Phone: 301-662-5019

Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products
PMI PRODUCTS

Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 •USA•
Phone: 916-542-1401

6.0 to 19.0 GHz, 2-Way Power Divider
30 MHz to 6.0 GHz, Amplified 8-Way Power Divider
4-Way Power Divider with Quad Phase Output of J2=0°, J3=90°, J4=180° & J5=270°
7.0 to 18.0 GHz 90° Hybrid Coupler
20 MHz to 6.0 GHz, Amplified 4-Way Power Divider
0.02 to 6.0 GHz 90° Hybrid Coupler

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 •USA•
Phone: 301-662-5019

sales@pmi-rf.com
http://www.pmi-rf.com/about
PMI PRODUCTS

Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVs, ERDLVs & SDLVs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense & Avoid Systems - Fly Eye Radar
Threshold Detectors
USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA
Phone: 916-542-1401

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA
Phone: 301-662-5019

sales@pmi-rf.com
http://www.pmi-rf.com/about

1.0 GHz, Frequency Discriminator

8.8 to 9.46 GHz Temperature Stabilized Output Medium Power X-Band Gunn-Effect Oscillator

2.0 to 18.0 GHz, SDLVA

3.1 to 3.5 GHz Bi-Directional Variable Attenuator

2.0 to 18.0 GHz Digital Frequency Discriminator

26.5 to 40.0 GHz, Passive Amplitude Equalizer

0.75 to 1.25 GHz SDLVA
PMI PRODUCTS

Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA•
Phone: 916-542-1401
sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA•
Phone: 301-662-5019

1.0 to 20.0 GHz
6-Channel Switch Filter Bank

2.0 to 18.0 GHz
Bi-Phase Modulator

2.0 to 6.0 GHz
Integrated Microwave Assembly

18.0 to 40.0 GHz
Bi-Phase Modulator
PMI PRODUCTS

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA
Phone: 916-542-1401

sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA
Phone: 301-662-5019

0.01 to 40.0 GHz, High Power Limiter

0.01 to 2.5 GHz, 100 W CW, 1 kW Peak, RF Limiter

Low Pass Filter with 2400 MHz Cutoff Frequency

750 MHz Cavity Filter with 500 MHz, 1 dB Bandwidth

18.0 to 40.0 GHz, Low Loss Diplexer

0.03 to 3.0 GHz, High Power Limiter

0.5 to 8.0 GHz, Active Limiter

6.0 to 18.0 GHz, Filter/Detector

Bandpass Filter, centered at 160 MHz with a 3 dB Bandwidth of 20 MHz ±5%

Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVs, ERDLVs & SDLVs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products
PMI PRODUCTS

**Amplifiers - Solid State**

**Attenuators - Variable/Programmable**

**Bi-Phase Modulators**

**Couplers** (Quadrature, 180, Directional)

**Detectors - RF / Microwave**

**DLVAs, ERDLVAs & SDLVAs**

**Filters & Switched Filter Banks**

**Form, Fit, Functional Products & Services**

**Frequency Converters**

**Frequency Sources**

**Frequency Discriminators & IFM**

**Frequency Synthesizers**

**Gain & Loss Equalizers**

**Integrated MIC/MMIC Assemblies (IMAs)**

**IQ Vector Modulators**

**Limiters - RF / Microwave**

**Log Amps**

**Miscellaneous Products**

**Monopulse Comparators**

**Multifunction Integrated Assemblies (IMAs)**

**Phase Shifters & Bi-Phase Modulators**

**Power Dividers/Combiners (Passive & Active)**

**Pulse Modulators - SP1T**

**Rack & Chassis Mount Products**

**Receiver Front Ends & Transceivers**

**Single Side Band Modulators**

**SMT & QFN Products**

**Switch Matrices**

**Switch Filter Banks**

**Switches - Solid-State**

**Systems - Radar Sense & Avoid**

**Systems - Fly Eye Radar**

**Threshold Detectors**

**USB Products**

---

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 •USA•
Phone: 916-542-1401

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 •USA•
Phone: 301-662-5019

sales@pmi-rf.com
http://www.pmi-rf.com/about

1.0 to 18.0 GHz
4 W CW RF Limiter

0.1 to 20.0 GHz
10 W Pulsed RF Limiter

10 MHz to 14.0 GHz, 100 W CW RF Limiter
10 MHz to 18.0 GHz, 20 W CW RF Limiter
20 MHz to 15.0 GHz, 100 W CW RF Limiter
20 MHz to 18.0 GHz, 80 W CW RF Limiter
20 MHz to 18.0 GHz, 100 W CW RF Limiter

1.0 to 18.0 GHz, 3 W CW Limiter

10 MHz to 9.0 GHz,
100 W CW RF Limiter

2.0 to 18.0 GHz, +50 dBm Peak RF Limiter

10 MHz to 14.0 GHz, 100 W CW RF Limiter
10 MHz to 18.0 GHz, 20 W CW RF Limiter
20 MHz to 15.0 GHz, 100 W CW RF Limiter
20 MHz to 18.0 GHz, 80 W CW RF Limiter
20 MHz to 18.0 GHz, 100 W CW RF Limiter
PMI PRODUCTS

Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 •USA•
Phone: 916-542-1401

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 •USA•
Phone: 301-662-5019

sales@pmi-rf.com
http://www.pmi-rf.com/about

2.0 to 20.0 GHz, SP6T Switch
5.4 to 5.9 GHz, Digitally Controlled Phase Shifter
0.5 to 18.0 GHz, Threshold Detector
6.0 to 18.0 GHz, Synthesizer, Switch Filter Bank, Amplifier Module
16.0 GHz Fo, 2.0 GHz Bandwidth, Cavity Filter
8.0 to 18.0 GHz, Lange Coupler
Miniature, 2 Channel Switch Filter Bank
DC to 2.0 GHz, Electro-mechanical STEP Attenuator
PMI PRODUCTS

- Amigues - Solid State
- Attenuators - Variable/Programmable
- Bi-Phase Modulators
- Couplers (Quadrature, 180, Directional)
- Detectors - RF / Microwave
- DLVAs, ERDLVAs & SDLVAs
- Filters & Switched Filter Banks
- Form, Fit, Functional Products & Services
- Frequency Converters
- Frequency Sources
- Frequency Discriminators & IFM
- Frequency Synthesizers
- Gain & Loss Equalizers
- Integrated MIC/MMIC Assemblies (IMAs)
- IQ Vector Modulators
- Limiters - RF / Microwave
- Log Amps
- Miscellaneous Products
- Monopulse Comparators
- Multifunction Integrated Assemblies (IMAs)
- Phase Shifters & Bi-Phase Modulators
- Power Dividers/Combiners (Passive & Active)
- Pulse Modulators - SP1T
- Rack & Chassis Mount Products
- Receiver Front Ends & Transceivers
- Single Side Band Modulators
- SMT & QFN Products
- Switch Matrices
- Switch Filter Banks
- Switches - Solid-State
- Systems - Radar Sense & Avoid
- Systems - Fly Eye Radar
- Threshold Detectors
- USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA
Phone: 916-542-1401

sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA
Phone: 301-662-5019

2.0 to 18.0 GHz, Threshold Detector
18.0 to 40.0 GHz, Low Noise, Tunnel Diode Detector
0.5 to 18.0 GHz, High Speed, High Sensitivity Diode Detector
4.0 to 26.5 GHz, Zero Bias Schottky Detector
2.0 to 18.0 GHz, High Speed, LVPECL Logic Output Threshold Detector
0.5 to 18.0 GHz, High Speed, High Sensitivity Diode Detector
2.5 to 3.5 GHz, High Speed, DC-Coupled, Directional Detector
16.0 to 40.0 GHz, High Speed Threshold Detector
3.8 to 4.6 GHz, High Speed Threshold Detector
4.0 to 4.5 GHz, Ultra-High Speed, High Sensitivity Threshold Detector
PMI PRODUCTS

Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 •USA•
Phone: 916-542-1401

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 •USA•
Phone: 301-662-5019

10.0 GHz, Integrated Phase Shifter Dielectric Resonator Oscillator (DRO) Module (Inside)

21.0 GHz, Beam Forming Monopulse Circuit

2.0 to 18.0 GHz, Digitally Tuned Oscillator (DTO)

1.0 to 18.0 GHz, Frequency Discriminator

6.0 to 18.0 GHz, Synthesizer

30 MHz, Frequency Discriminator

Delay Line in a Frequency Discriminator

sales@pmi-rf.com
http://www.pmi-rf.com/about

10.0 GHz, Integrated Phase Shifter and Dielectric Resonator Oscillator (DRO) Module

Digitally Tuned Oscillators (DTOs)
PMI PRODUCTS

Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State Systems - Radar Sense & Avoid
Threshold Detectors
USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA•
Phone: 916-542-1401

sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA•
Phone: 301-662-5019

7.0 to 18.0 GHz, 75 dB DLVA
0.5 to 18.0 GHz, 50 dB DLVA
7.0 to 18.0 GHz, 75 dB DLVA
0.05 to 18.0 GHz, 70 dB SDLVA
2.0 to 4.0 GHz, 45 dB DLVA
2.0 to 18.0 GHz, 65 dB ERDLVA
700 to 1250 MHz, 70 dB SDLVA
7.0 to 18.0 GHz, 75 dB DLVA
8.0 to 18.0 GHz, 40 dB SDLVA
0.05 to 18.0 GHz, 65 dB SDLVA
2.0 to 18.0 GHz, 65 dB SDLVA
6.0 to 18.0 GHz, SDLVA
18.0 to 40.0 GHz, 65 dB SDLVA
100 to 700 MHz, 55 dB SDLVA

7.0 to 18.0 GHz, 75 dB DLVA
2.0 to 18.0 GHz, 65 dB CW Immune ERDLVA
700 to 1250 MHz, 70 dB SDLVA
8.0 to 18.0 GHz, 40 dB SDLVA
Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

PMI PRODUCTS

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA
Phone: 916-542-1401

sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA
Phone: 301-662-5019
AMI PRODUCTS

Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 •USA•
Phone: 916-542-1401

0.1 to 18.0 GHz, Threshold Detector

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 •USA•
Phone: 301-662-5019

sales@pmi-rf.com
http://www.pmi-rf.com/about

1.0 to 18.0 GHz, Limiting Amplifier

6.0 to 18.0 GHz, I/Q Vector Modulator

85 MHz to 18.0 GHz, I/Q Vector Modulator

0.95 to 18.0 GHz, 8 Channel Switch Filter Bank

Custom Frequency Doubler Module

24.0 to 40.0 GHz, Bandpass Filter

IF Logarithmic Amplifier (SDLVA)
pmi products

Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA •
Phone: 916-542-1401

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA •
Phone: 301-662-5019

0.5 to 18.0 GHz, Custom Phase (±10°) & Amplitude (±1.5 dB) Matched Integrated Modules/Assemblies

2.0 to 18.0 GHz, I/Q Vector Modulator

10 MHz to 18.0 GHz, Amplified Detector Module

1030 MHz ±0.01 MHz, Power Detector Module

1.0 to 18.0 GHz, Triplexer

7.7 to 8.2 GHz Laser Control Module

9410 MHz, Multi-Function Module

14.65 to 15.35 GHz Integrated Limiter and Attenuator

129

sales@pmi-rf.com
http://www.pmi-rf.com/about

Usb Products
Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVs, ERDLVs & SDLVs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA
Phone: 916-542-1401

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA
Phone: 301-662-5019

0.5 to 40.0 GHz, USB Powered LNA
2.0 to 6.0 GHz, 8 Bit 360° Phase Shifter
4.0 to 18.0 GHz, Up/Down Converter
500 MHz to 40.0 GHz USB Powered SP2T Switch
100 MHz to 18.0 GHz Transceiver (Phase II)
100 MHz to 18.0 GHz Transceiver (Phase III)
Vector Modulator
Integrated Module
Double Sided, 100 MHz to 18.0 GHz Switch Filter Bank
PMI PRODUCTS

1.0 to 18.0 GHz Channelized Receiver

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 •USA•
Phone: 916-542-1401

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 •USA•
Phone: 301-662-5019

sales@pmi-rf.com
http://www.pmi-rf.com/about
PMI PRODUCTS

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 •USA•
Phone: 916-542-1401

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 •USA•
Phone: 301-662-5019

850 MHz Instantaneous Bandwidth Baseband Module

11.2 to 18.0 GHz
Dual Band Bandpass Filter Module

7.8 to 11.2 GHz
Down Converter Module

850 MHz Instantaneous Bandwidth Baseband Module

4.4 to 18.0 GHz
4-Way Power Divider

4.4 to 7.8 GHz Down Converter Module

1.0 to 4.4 GHz
4-Way Power Divider

10 MHz Reference Source

sales@pmi-rf.com
http://www.pmi-rf.com/about
PMI PRODUCTS

Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 •USA•
Phone: 916-542-1401

sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 •USA•
Phone: 301-662-5019
Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVs, ERDLVs & SDLVs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State Systems - Radar Sense & Avoid Systems - Fly Eye Radar Threshold Detectors USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 •USA•
Phone: 916-542-1401

sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 •USA•
Phone: 301-662-5019
PMI PRODUCTS

Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 •USA•
Phone: 916-542-1401

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 •USA•
Phone: 301-662-5019

sales@pmi-rf.com
http://www.pmi-rf.com/about
PMI PRODUCTS

Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVs, ERDLVs & SDLVs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 •USA• Phone: 916-542-1401

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 •USA• Phone: 301-662-5019

1.0 to 22.0 GHz
4-Way Power Divider

0.1 to 20.0 GHz Limiter

20 MHz to 20.0 GHz Limiter

1.0 to 18.0 GHz
4-Way Power Divider

6.0 to 18.0 GHz, 120 W CW (1.5 kW Peak), SP2T Reflective Switch

2.0 to 18.0 GHz
4-Way Power Divider

8.0 to 12.0 GHz, 120 W CW (1.5 kW Peak), SP2T Reflective Switch

sales@pmi-rf.com
http://www.pmi-rf.com/about
PMI PRODUCTS

- Amplifiers - Solid State
- Attenuators - Variable/Programmable
- Bi-Phase Modulators
- Couplers (Quadrature, 180, Directional)
- Detectors - RF / Microwave
- DLVAs, ERDLVAs & SDLVAs
- Filters & Switched Filter Banks
- Form, Fit, Functional Products & Services
- Frequency Converters
- Frequency Sources
- Frequency Discriminators & IFM
- Frequency Synthesizers
- Gain & Loss Equalizers
- Integrated MIC/MMIC Assemblies (IMAs)
- IQ Vector Modulators
- Limiters - RF / Microwave
- Log Amps
- Miscellaneous Products
- Monopulse Comparators
- Multifunction Integrated Assemblies (IMAs)
- Phase Shifters & Bi-Phase Modulators
- Power Dividers/Combiners (Passive & Active)
- Pulse Modulators - SP1T
- Rack & Chassis Mount Products
- Receiver Front Ends & Transceivers
- Single Side Band Modulators
- SMT & QFN Products
- Switch Matrices
- Switch Filter Banks
- Switches - Solid-State Systems - Radar Sense & Avoid Systems - Fly Eye Radar Threshold Detectors USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 •USA•
Phone: 916-542-1401

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 •USA•
Phone: 301-662-5019

DC to 3.5 GHz Microstrip Low Pass Filter

6.0 to 18.0 GHz, 50 W CW (1.5 kW Peak), SP2T Reflective Switch

DC to 6.0 GHz Microstrip Low Pass Filter

1.0 to 18.0 GHz Portable Amplifier

DC to 2.0 GHz Microstrip Low Pass Filter

9.2 to 10.0 GHz, 200 W CW (1.6 kW Peak), SP2T Reflective Switch

DC to 1.25 GHz Microstrip Low Pass Filter

6.0 to 18.0 GHz, 120 W CW (1.5 kW Peak), SP2T Reflective Switch

DC to 10.0 GHz Microstrip Low Pass Filter

37
PMI PRODUCTS

Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA
Phone: 916-542-1401

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA
Phone: 301-662-5019

sales@pmi-rf.com
http://www.pmi-rf.com/about

8.0 to 12.0 GHz Amplifier
6.0 to 12.0 GHz Amplifier
6.0 to 18.0 GHz CW Immune EW Detector Module
2.0 to 18.0 GHz 4-Way Power Divider
6.0 to 18.0 GHz Low Noise Amplifier
11.0 GHz Band Pass Filter
2.5 to 18.0 GHz High Pass Filter
2.0 to 18.0 GHz CW Immune EW Detector Module
7519.95 MHz PDRO
6.0 to 18.0 GHz Portable Adjustable Threshold Detector
0.2 to 18.0 GHz 8-Bit Digitally Tuned Attenuator
PMI PRODUCTS

Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State Systems - Radar Sense & Avoid
Systems - Fly Eye Radar Threshold Detectors
USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA•
Phone: 916-542-1401

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA•
Phone: 301-662-5019

13.0 to 14.0 GHz
8-Bit Programmable Attenuator

0.5 to 18.0 GHz
Dual Gain Amplifier

328 to 335.5 MHz
7-Way Power Divider

4828.57 MHz
Band Pass Filter

100 MHz to 50.0 GHz
SP8T Absorptive Switch

30 MHz to 3.0 GHz
High Power Limiter

4.0 to 8.0 GHz
SP20T Absorptive Switch

2.0 to 12.0 GHz
Low Noise Amplifier

2.0 to 18.0 GHz
SP6T Reflective Switch
PMI PRODUCTS

Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA
Phone: 916-542-1401

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA
Phone: 301-662-5019

sales@pmi-rf.com
http://www.pmi-rf.com/about

0.1 to 18.0 GHz
SP3T Absorptive Switch

1.0 to 18.0 GHz
7-Bit Programmable Attenuator

3.5 to 5.5 GHz
Frequency Discriminator

0.5 to 18.0 GHz
16-Way Power Divider

17.6 to 21.6 GHz
Passive Amplitude Equalizer

1.0 to 25.0 GHz
Low Noise Amplifier

5.0 to 10.0 GHz
Hybrid Coupler
Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVs, ERDLVs & SDLVs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 •USA•
Phone: 916-542-1401

sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 •USA•
Phone: 301-662-5019

PMI PRODUCTS

10 MHz, 8-Way Amplified Power Divider

0.1 to 18.0 GHz Transceiver Module

0.1 to 18.0 GHz CW-Immune SDLVA

0.1 to 18.0 GHz Transceiver

2.6 to 5.2 GHz High Speed Integrated Module

840 MHz Phase-Locked Oscillator
Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA •
Phone: 916-542-1401

sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA •
Phone: 301-662-5019

2.5 to 4.9 GHz SDLVA

50 MHz to 18.5 GHz DLVA

0.5 to 18.0 GHz DC-Coupled DLVA

0.2 to 2.5 GHz SDLVA

0.1 to 3.0 GHz SDLVA

0.7 to 1.3 GHz SDLVA

2.0 to 18.0 GHz SDLVA

18.0 to 40.0 GHz SDLVA

0.5 to 2.0 GHz ERDLVA

50 MHz to 18.0 GHz DLVA

7 MHz DLVA

315 to 362 MHz SDLVA

0.1 to 3.0 GHz SDLVA

0.5 to 2.0 GHz DLVA

0.2 to 2.5 GHz SDLVA

0.1 to 3.0 GHz SDLVA

18.0 to 40.0 GHz DLVA

50 to 90 MHz SDLVA

50 MHz to 18.5 GHz DLVA

0.5 to 18.0 GHz SDLVA

0.7 to 1.3 GHz SDLVA
PMI PRODUCTS

Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA
Phone: 916-542-1401

sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA
Phone: 301-662-5019

2.0 to 18.0 GHz High Band Direction Finding Module
0.25 to 20.0 GHz Low Noise Amplifier
30 MHz to 26.5 GHz Low Noise Amplifier
1.0 to 40.0 GHz Portable Amplifier
0.1 to 18.0 GHz Integrated Microwave Assembly
30 MHz to 18.0 GHz Low Noise Amplifier
0.5 to 40.0 GHz Low Noise Amplifier
0.5 to 2.0 GHz Low Band Direction Finding Module

PMI PRODUCTS
PMI PRODUCTS

Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVs, ERDLVs & SDLVs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA
Phone: 916-542-1401

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA
Phone: 301-662-5019

sales@pmi-rf.com
http://www.pmi-rf.com/about

2.0 to 4.0 GHz Frequency Discriminator
10 MHz to 6.0 GHz SP2T Reflective, 20 W Switch
12.0 to 18.0 GHz Frequency Discriminator
0.5 to 8.0 GHz SP2T Reflective, 50 W Switch
10 MHz to 8.0 GHz SP2T Reflective, 50 W Switch
1.0 to 18.0 GHz SP2T Reflective, 10 W Switch
0.5 to 10.0 GHz SP2T 10 W Switch
8.0 to 12.0 GHz SP2T 10 W Switch
6.0 to 18.0 GHz Frequency Discriminator
3.1 to 3.5 GHz Frequency Discriminator
8.0 to 12.0 GHz Frequency Discriminator
70 MHz Frequency Discriminator
Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 •USA•
Phone: 916-542-1401

sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 •USA•
Phone: 301-662-5019
AMPLIFIERS - SOLID STATE

ATTENUATORS - VARIABLE/PROGRAMMABLE

BI-PHASE MODULATORS

COUPLERS (QUADRATURE, 180, DIRECTIONAL)

DETECTORS - RF / MICROWAVE

DLVAs, ERDLVAs & SDLVAs

FILTERS & SWITCHED FILTER BANKS

FORM, FIT, FUNCTIONAL PRODUCTS & SERVICES

FREQUENCY CONVERTERS

FREQUENCY SOURCES

FREQUENCY DISCRIMINATORS & IFM

FREQUENCY SYNTHESIZERS

GAIN & LOSS EQUALIZERS

INTEGRATED MIC/MMIC ASSEMBLIES (IMAs)

IQ VECTOR MODULATORS

LIMITERS - RF / MICROWAVE

LOG AMPS

MISCELLANEOUS PRODUCTS

MONOPULSE COMPARATORS

MULTIFUNCTION INTEGRATED ASSEMBLIES (IMAs)

PHASE SHIFTERS & BI-PHASE MODULATORS

POWER DIVIDERS/COMBINERS (PASSIVE & ACTIVE)

PULSE MODULATORS - SP1T

RACK & CHASSIS MOUNT PRODUCTS

RECEIVER FRONT ENDS & TRANSCIEVERS

SINGLE SIDE BAND MODULATORS

SMT & QFN PRODUCTS

SWITCH MATRICES

SWITCH FILTER BANKS

SWITCHES - SOLID-STATE

SYSTEMS - RADAR SENSE & AVOID

SYSTEMS - FLY EYE RADAR

THRESHOLD DETECTORS

USB PRODUCTS

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA
Phone: 916-542-1401

sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA
Phone: 301-662-5019

0.1 to 50.0 GHz
SP2T Absorptive Switch

0.1 to 50.0 GHz
SP4T Absorptive Switch

0.5 to 40.0 GHz
SP3T Absorptive Switch

0.5 to 40.0 GHz
SP5T Absorptive Switch

0.5 to 40.0 GHz
SP8T Absorptive Switch

0.5 to 18.0 GHz
SP12T Absorptive Switch

0.5 to 18.0 GHz
SP20T Absorptive Switch

7.0 to 18.0 GHz
SP20T Absorptive Switch
**PMI PRODUCTS**

- **Amplifiers - Solid State**
- **Attenuators - Variable/Programmable**
- **Bi-Phase Modulators**
- **Couplers (Quadrature, 180, Directional)**
- **Detectors - RF / Microwave**
- **DLVAs, ERDLVAs & SDLVAs**
- **Filters & Switched Filter Banks**
- **Form, Fit, Functional Products & Services**
- **Frequency Converters**
- **Frequency Sources**
- **Frequency Discriminators & IFM**
- **Frequency Synthesizers**
- **Gain & Loss Equalizers**
- **Integrated MIC/MMIC Assemblies (IMAs)**
- **IQ Vector Modulators**
- **Limiters - RF / Microwave**
- **Log Amps**
- **Miscellaneous Products**
- **Monopulse Comparators**
- **Multifunction Integrated Assemblies (IMAs)**
- **Phase Shifters & Bi-Phase Modulators**
- **Power Dividers/Combiners (Passive & Active)**
- **Pulse Modulators - SP1T**
- **Rack & Chassis Mount Products**
- **Receiver Front Ends & Transceivers**
- **Single Side Band Modulators**
- **SMT & QFN Products**
- **Switch Matrices**
- **Switch Filter Banks**
- **Switches - Solid-State**
- **Systems - Radar Sense & Avoid**
- **Systems - Fly Eye Radar**
- **Threshold Detectors**
- **USB Products**

**WEST COAST FACILITY:**
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA•
Phone: 916-542-1401

**EAST COAST FACILITY:**
7311-F Grove Road
Frederick, MD 21704 • USA•
Phone: 301-662-5019
PMI PRODUCTS

1.0 to 7.0 GHz
Low Noise Amplifier

DC to 40.0 GHz
Passive Equalizer

1.0 to 7.0 GHz
Low Noise Amplifier

DC to 20.0 GHz
Passive Equalizer

1.0 to 18.0 GHz
SP2T Absorptive Switch

1.0 to 18.0 GHz
SP4T Absorptive Switch

0.5 to 2.0 GHz
Low Noise Amplifier

2.0 to 18.0 GHz
SP8T Absorptive Switch

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762  •USA•
Phone: 916-542-1401

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704  •USA•
Phone: 301-662-5019

sales@pmi-rf.com
http://www.pmi-rf.com/about

Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State Systems - Radar Sense & Avoid
Systems - Fly Eye Radar Threshold Detectors USB Products
Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 •USA•
Phone: 916-542-1401

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 •USA•
Phone: 301-662-5019

PMI PRODUCTS

9.0 to 11.0 GHz
8-Bit Digitally Controlled Phase Shifter

8.0 to 18.0 GHz
Microwave Pulse and CW Monitoring Receiver

6.0 to 18.0 GHz
8-Bit Digitally Controlled Phase Shifter

2.0 to 18.0 GHz
Suspended High Pass Filter

10 MHz to 6.0 GHz
Integrated Microwave Assembly

0.1 to 0.3 GHz
Low Noise Amplifier

6.0 to 18.0 GHz
Receiver Front End IFM Subsystem

2.0 to 18.0 GHz
Direction Finding Receiver Front End

sales@pmi-rf.com
http://www.pmi-rf.com/about
PMI PRODUCTS

Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 •USA•
Phone: 916-542-1401

sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 •USA•
Phone: 301-662-5019

3.0 GHz
6-Bit Phase Shifter

2.0 to 18.0 GHz
Diode Detector

1.0 to 20.0 GHz
Portable Amplifier

29.8 to 30.2 MHz
7-Bit Attenuator

9.0 kHz to 30.0 GHz
SP2T Absorptive Switch

29.8 to 30.2 MHz
7-Bit Attenuator

4.0 to 8.0 GHz SDLVA
**PMI PRODUCTS**

- **Amplifiers - Solid State**
- **Attenuators - Variable/Programmable**
- **Bi-Phase Modulators**
- **Couplers (Quadrature, 180, Directional)**
- **Detectors - RF / Microwave**
- **DLVAs, ERDLVAs & SDLVAs**
- **Filters & Switched Filter Banks**
- **Form, Fit, Functional Products & Services**
- **Frequency Converters**
- **Frequency Sources**
- **Frequency Discriminators & IFM**
- **Frequency Synthesizers**
- **Gain & Loss Equalizers**
- **Integrated MIC/MMIC Assemblies (IMAs)**
- **IQ Vector Modulators**
- **Limiters - RF / Microwave**
- **Log Amps**
- **Miscellaneous Products**
- **Monopulse Comparators**
- **Multifunction Integrated Assemblies (IMAs)**
- **Phase Shifters & Bi-Phase Modulators**
- **Power Dividers/Combiners (Passive & Active)**
- **Pulse Modulators - SP1T**
- **Rack & Chassis Mount Products**
- **Receiver Front Ends & Transceivers**
- **Single Side Band Modulators**
- **SMT & QFN Products**
- **Switch Matrices**
- **Switch Filter Banks**
- **Switches - Solid-State**
- **Systems - Radar Sense & Avoid**
- **Systems - Fly Eye Radar**
- **Threshold Detectors**
- **USB Products**

**WEST COAST FACILITY:**
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 •USA•
Phone: 916-542-1401

**EAST COAST FACILITY:**
7311-F Grove Road
Frederick, MD 21704 •USA•
Phone: 301-662-5019

---

0.5 to 1.0 GHz
**Bi-Phase Modulator/Shifter**

0.5 to 23.0 GHz
**8-Way Power Divider**

DC to 18.0 GHz
**Directional Coupler**

2.0 to 18.0 GHz
**2-Way Power Divider**

160 MHz
**Linear IF Gain Control Amplifier**

60 MHz
**Bandpass Filter**

10 MHz to 37.0 GHz
**10 W CW Limiter**

0.5 to 18.0 GHz
**SP2T Absorptive Switch**

30 MHz to 40.0 GHz
**Low Noise Amplifier**

---

sales@pmi-rf.com
http://www.pmi-rf.com/about
PMI PRODUCTS

- Amplifiers - Solid State
- Attenuators - Variable/Programmable
- Bi-Phase Modulators
- Couplers (Quadrature, 180, Directional)
- Detectors - RF / Microwave
- DLVs, ERDLVs & SDLVs
- Filters & Switched Filter Banks
- Form, Fit, Functional Products & Services
- Frequency Converters
- Frequency Sources
- Frequency Discriminators & IFM
- Frequency Synthesizers
- Gain & Loss Equalizers
- Integrated MIC/MMIC Assemblies (IMAs)
- IQ Vector Modulators
- Limiters - RF / Microwave
- Log Amps
- Miscellaneous Products
- Monopulse Comparators
- Multifunction Integrated Assemblies (IMAs)
- Phase Shifters & Bi-Phase Modulators
- Power Dividers/Combiners (Passive & Active)
- Pulse Modulators - SP1T
- Rack & Chassis Mount Products
- Receiver Front Ends & Transceivers
- Single Side Band Modulators
- SMT & QFN Products
- Switch Matrices
- Switch Filter Banks
- Switches - Solid-State
- Systems - Radar Sense & Avoid
- Systems - Fly Eye Radar
- Threshold Detectors
- USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 •USA•
Phone: 916-542-1401

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 •USA•
Phone: 301-662-5019

sales@pmi-rf.com
http://www.pmi-rf.com/about

0.5 to 8.0 GHz
SP2T Reflective, 50 W Switch

0.1 to 8.0 GHz
SP2T Reflective, 50 W Switch

0.7 to 1.3 GHz
SP4T Absorptive Switch Module

0.1 to 4.0 GHz SDLVA

0.5 to 20.0 GHz
Linear Amplifier Detector Module

8.0 to 11.0 GHz
Directional Coupler

140 MHz ± 25 MHz
Detector Preamp Module
PMI PRODUCTS

Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

2.0 to 18.0 GHz SDLVA

5.4 to 5.9 GHz Linear Amplifier Detector Module

0.2 to 2.5 GHz SDLVA

0.1 to 16.0 GHz Limiting Amplifier

2.0 to 6.0 GHz EW Detector Module

6.0 to 18.0 GHz EW Detector Module

2.0 to 18.0 GHz SP2T Absorptive Switch

10 MHz to 50.0 GHz 4 W CW Limiter

DC to 8.0 GHz SP2T Reflective Switch

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA
Phone: 916-542-1401

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA
Phone: 301-662-5019

sales@pmi-rf.com
http://www.pmi-rf.com/about

2.0 to 18.0 GHz SDLVA

5.4 to 5.9 GHz Linear Amplifier Detector Module

0.2 to 2.5 GHz SDLVA

0.1 to 16.0 GHz Limiting Amplifier

2.0 to 6.0 GHz EW Detector Module

6.0 to 18.0 GHz EW Detector Module

2.0 to 18.0 GHz SP2T Absorptive Switch

10 MHz to 50.0 GHz 4 W CW Limiter

DC to 8.0 GHz SP2T Reflective Switch

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA
Phone: 916-542-1401

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA
Phone: 301-662-5019

sales@pmi-rf.com
http://www.pmi-rf.com/about
PMI PRODUCTS

Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA
Phone: 916-542-1401

sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA
Phone: 301-662-5019

17.6 to 21.6 GHz Passive Amplitude Equalizer
17.5 to 21.5 GHz Passive Amplitude Equalizer
26.5 to 40.0 GHz Passive Amplitude Equalizer
PMI PRODUCTS

Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA •
Phone: 916-542-1401

sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA •
Phone: 301-662-5019

DC to 4.4 GHz Low Pass Filter
DC to 6.4 GHz Low Pass Filter
4.4 to 6.4 GHz Band Pass Filter
6.4 to 8.4 GHz Band Pass Filter
10.4 to 12.4 GHz Band Pass Filter
DC to 8.4 GHz Low Pass Filter
DC to 10.4 GHz Low Pass Filter
Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA
Phone: 916-542-1401

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA
Phone: 301-662-5019

PMI PRODUCTS

10 MHz to 50.0 GHz
4 W CW Limiter

10 MHz to 50.0 GHz
1.5 W CW Limiter

0.1 to 20.1 GHz
Limiting Amplifier

0.15 to 6.1 GHz
Limiting Amplifier

2.0 to 18.0 GHz
10-Bit Programmable Attenuator

0.5 to 18.0 GHz
SP32T Absorptive Switch

6.0 to 18.0 GHz
10-Bit Digitally Controlled Phase Shifter

8.0 to 12.0 GHz
Threshold Detector

30 MHz to 2.5 GHz
10-Bit Programmable Attenuator

Threshold Detector
10 MHz to 50.0 GHz

10-Bit Programmable Attenuator

Limiting Amplifier
0.5 to 18.0 GHz

8.0 to 12.0 GHz

10 MHz to 50.0 GHz

0.15 to 6.1 GHz

0.1 to 20.1 GHz

2.0 to 18.0 GHz

10-Bit Programmable Attenuator

0.5 to 18.0 GHz

6.0 to 18.0 GHz

10-Bit Digitally Controlled Phase Shifter

8.0 to 12.0 GHz

Threshold Detector
10 MHz to 50.0 GHz

10 MHz to 50.0 GHz

1.5 W CW Limiter
Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

PMI PRODUCTS

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA
Phone: 916-542-1401

sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA
Phone: 301-662-5019
Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180,Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State Systems - Radar Sense & Avoid Systems - Fly Eye Radar Threshold Detectors USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA
Phone: 916-542-1401

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA
Phone: 916-542-1401

sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA
Phone: 301-662-5019

2.0 to 20.0 GHz
8-Way Power Divider

0.1 to 53.0 GHz
SP4T Absorptive Switch

0.1 to 56.0 GHz
SP2T Absorptive Switch

10 MHz to 62.0 GHz
1.5 W CW Limiter

0.1 to 52.0 GHz
SP4T Reflective Switch

0.5 to 23.0 GHz
8-Way Power Divider

0.5 to 20.0 GHz
8-Way Power Divider

0.5 to 18.0 GHz
8-Way Power Divider
CUSTOMER AWARDS

Gold Medal for Quality Performance from BAE Systems

BAE Systems has awarded Planar Monolithics Industries, Inc. GOLD Medal for Quality Performance

6 Month Commodity Best

QUALITY: 100%
DELIVERY: 100%

Your Rating

<table>
<thead>
<tr>
<th>Rejects</th>
<th>% Accepted</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>100</td>
</tr>
<tr>
<td>0</td>
<td>100</td>
</tr>
<tr>
<td>0</td>
<td>100</td>
</tr>
</tbody>
</table>

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA •
Phone: 916-542-1401

sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA •
Phone: 301-662-5019

Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State Systems
Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products
CUSTOMER AWARDS

Exceptional Monthly Supplier Rating from Argon ST (Boeing)

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA
Phone: 916-542-1401

sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA
Phone: 301-662-5019
CUSTOMER AWARDS

Exceptional Supplier Performance from General Atomics

Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVs, ERDLVs & SDLVs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State Systems - Radar Sense & Avoid Systems - Fly Eye Radar Threshold Detectors USB Products
Green Supplier Quality Rating from Northrop Grumman

October 21, 2020


ATTN: Adam Fitzwater - supplier contact

PLANAR MONOLITHICS INDUSTRIES

VID: 405874_ORD01

7311-F GROVE ROAD

FREDERICK, MD 21704

Dear Supplier:

Your Northrop Grumman Supplier Quality Rating is currently: GREEN

This is a quarterly SQR rating letter. SQR rating letters are sent quarterly only.

The Northrop Grumman quality management system measures supplier performance based on several factors regarding product acceptance. A green rating is awarded to our best suppliers who maintain a 95% or greater quality acceptance rating and have properly addressed any open corrective actions. If your supplier quality rating is not green, please ensure the necessary actions are taken to provide product or service that meets all Northrop Grumman contractual requirements.

If you have any questions in regards to this correspondence, please contact Northrop Grumman's Supplier Quality Engineer:

Dan Varner
4808146501
Daniel.Varner@ngc.com
Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVs, ERDLVs & SDLVs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

PLANAR MONOLITHICS INDUSTRIES, INC.
FACILITIES INFORMATION

7311-F & G GROVE ROAD, FREDERICK, MD:
• 10,800 sq. ft. Facility
• Executive Vice President's Office
• Accounting and Human Resources Offices
• Components Manufacturing
• Sub-Assembly Manufacturing
• Hybrid Assembly
• 3,000 sq. ft. Class 100,000 ppm Clean Room
• Engineering Department
• Test Department
• Production Officer
• QA/QC Office
• Sales & Marketing
• Executive Offices
• 2 Conference Rooms
• High Power Equipment Test Laboratory

6590 WATERS EDGE CT, NEW MARKET, MD:
• 4,000 sq. ft. Facility
• CORPORATE HQ
• Conference Rooms & Executive Offices

4921 Robert J. Mathews Pkwy, El Dorado Hills, CA:
• 5,100 sq. ft. Facility
• Components Manufacturing
• Hybrid Assembly
• Test and Engineering Departments
• Production and Quality Departments
• Continued Manufacturing Previous HARI, LLC
• (formally Genesis Microwave)
• Products as listed at www.harillc.com
• and www.genesismicrowave.com

5715 INDUSTRY LANE, FREDERICK, MD:
• 2,500 sq. ft. Facility
• Conference Room
• 600 sq. ft. 10,000 ppm Clean Room
• Machine Shop
• Assembly & Test
• ESS Test Room
• Sub-Systems Assembly Manufacturing

5714-C INDUSTRY LANE, FREDERICK, MD:
• 2,222 sq. ft. Facility
• Machine Shop

ACCOUNTING & CORPORATE INFO:
• Type “S” Corporation, Pennsylvania
• Peachtree Sage 50, 2013
• EXACT MAX MRP
• Accrual Basis Accounting Practice
• Fiscal Year is December 31st
• GAAP Guidelines Followed
• Monthly Internal Financial Reports
• Weekly Cash Flow Analysis Reports

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 •USA•
Phone: 916-542-1401

sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 •USA•
Phone: 301-662-5019

PLANAR MONOLITHICS INDUSTRIES, INC.
<table>
<thead>
<tr>
<th>CUSTOMER</th>
<th>PROGRAM</th>
</tr>
</thead>
<tbody>
<tr>
<td>NORTHPROP GRUMAN CORPORATION</td>
<td>CABIN FEVER, CORVAIR, EA-18G, ICAP-III, LR-100, FALCON EDGE, ALQ-188, PDF, F-15J, RFCM – AC/MC-130J, C130J, SDLVA for AN/ALR-67(V) and AN/ALR-67(V2), AN/SLQ-32 (SEWIP BLOCK 3), B-1B</td>
</tr>
<tr>
<td>NORTHPROP GRUMAN CORPORATION</td>
<td>LIMITERS AND DIRECTIONAL COUPLERS FOR BALLISTIC MISSILE FUNDED BY MISSILE DEFENSE AGENCY</td>
</tr>
<tr>
<td>BAE SYSTEMS, NH</td>
<td>DEWS, F15 (AN/ALQ-239) EPAWSS, F15 (AN/ALQ-250) U2 PROGRAM (AN/ALQ-221) KNIGHT PROGRAM DARK HORSE ALE-55</td>
</tr>
<tr>
<td>MITSUBISHI-MELCO, JAPAN</td>
<td>SUCCESSIVE DETECTION LOG VIDEO AMPLIFIERS, F-2/F15 LIMITERS &amp; SOLID-STATE SWITCHES FOR DESTROYER SHIP, TP-1 (HELICOPTER) &amp; SUBMARINE, ASQ-2 (IEWS), ALQ-8 (ECM), SH-60, UP-3D, P-1</td>
</tr>
<tr>
<td>TOKYO-KEIKI, JAPAN</td>
<td>CH 47 HELICOPTER, UH-60J HELICOPTER, ASQ-2 (IEWS), APR-4 (RWR), UH-X, HLR-108C</td>
</tr>
<tr>
<td>NAVAL RESEARCH LAB, WASHINGTON, DC</td>
<td>AMPLIFIED DETECTOR, RF MONITOR FOR ANACHOIC CHAMBER, 100 MHz TO 18 GHz TRANSCIEVER</td>
</tr>
<tr>
<td>RAYTHEON MISSILE SYSTEMS, AZ</td>
<td>SUCCESSIVE DETECTION LOG VIDEO AMPLIFIER (SDLVAs) &amp; MALD-N</td>
</tr>
<tr>
<td>L-3 COMMUNICATIONS, TX</td>
<td>SUCCESSIVE DETECTION LOG VIDEO AMPLIFIER (SDLVAs) 16 CHANNEL CUSTOM SWITCH FILTER BANK</td>
</tr>
</tbody>
</table>

**WEST COAST FACILITY:**
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA•
Phone: 916-542-1401

**EAST COAST FACILITY:**
7311-F Grove Road
Frederick, MD 21704 • USA•
Phone: 301-662-5019
<table>
<thead>
<tr>
<th>CUSTOMER</th>
<th>PROGRAM</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOCKHEED MARTIN CO, AL</td>
<td>MK92 FIRE CONTROL SYSTEM (FORM, FIT &amp; FUNCTION SPARES)</td>
</tr>
<tr>
<td>ISRAELI AIR FORCE (IAF), ISRAEL</td>
<td>GUNN DIODE OSCILLATORS (F-16)</td>
</tr>
<tr>
<td>ELBIT SYSTEMS, ISRAEL</td>
<td>SOLID STATE SWITCHES WITH LOW VIDEO TRANSIENTS (NAVAL EW SYSTEMS), LNAs, LIMITERS</td>
</tr>
<tr>
<td>WARNER ROBINS AFB, GA</td>
<td>IF LOG AMPLIFIERS (FORM, FIT &amp; FUNCTION SPARES), B-1B &amp; CVR (CRYSTAL VIDEO RECEIVER) MODULE (ALQ-184)</td>
</tr>
<tr>
<td>RAYTHEON, CA, MD, TX</td>
<td>PEGASUS, CUSTOM IMA, ALQ-184, JAGUAR, SLDVA for AN/ALR-67(V3), HADES (HIGH POWER ADAPTIVE DIRECTED ENERGY SYSTEM)</td>
</tr>
<tr>
<td>SPAWAR, CA</td>
<td>FILTERS, ATTENUATORS, SWITCHES, AMPLIFIERS, PHASE SHIFTERS, AND LOG AMPS</td>
</tr>
<tr>
<td>LMCO, OWEGO</td>
<td>B-1B POWER DIVIDERS</td>
</tr>
<tr>
<td>IBM AND QuEra</td>
<td>COMPONENTS FOR QUANTUM COMPUTING</td>
</tr>
<tr>
<td>L-3 COMMUNICATIONS, UT</td>
<td>CUSTOM LIMITING AMPLIFIER</td>
</tr>
<tr>
<td>MECTRON, BRAZIL</td>
<td>SUCCESSIVE DETECTION LOG VIDEO AMPLIFIER (SDLVAs) MARS-1, BRAZILIAN AF</td>
</tr>
<tr>
<td>AIRBUS DEFENCE &amp; SPACE, GERMANY</td>
<td>CUSTOM SWITCHES</td>
</tr>
<tr>
<td>SAAB AB ELECTRONIC DEFENSE SYSTEMS, SWEDEN</td>
<td>CUSTOM AMPLIFIER, JAS 39 GRIPEN</td>
</tr>
<tr>
<td>BHARAT ELECTRONICS, INDIA</td>
<td>CUSTOM PHASE SHIFTERS &amp; ATTENUATORS</td>
</tr>
</tbody>
</table>

**WEST COAST FACILITY:**
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA •
Phone: 916-542-1401

**EAST COAST FACILITY:**
7311-F Grove Road
Frederick, MD 21704 • USA •
Phone: 301-662-5019

[Sales Email: sales@pmi-rf.com]
[Website: http://www.pmi-rf.com/about]
<table>
<thead>
<tr>
<th>CUSTOMER</th>
<th>PROGRAM</th>
</tr>
</thead>
<tbody>
<tr>
<td>L3-MICREO, AUSTRALIA</td>
<td>DF SYSTEM COMPONENTS</td>
</tr>
<tr>
<td>DEFENCE AVIONICS RESEARCH</td>
<td>CUSTOM HIGH POWER SWITCHES</td>
</tr>
<tr>
<td>ESTABLISHMENT (DARE), INDIA</td>
<td></td>
</tr>
<tr>
<td>DSO NATIONAL LABORATORIES,</td>
<td>CUSTOM INTEGRATED LIMITER/ATTENUATOR, AIRBORNE</td>
</tr>
<tr>
<td>SINGAPORE</td>
<td></td>
</tr>
<tr>
<td>ASELSAN INC., TURKEY</td>
<td>SDLVAs, SWITCHES</td>
</tr>
<tr>
<td>TUBITAK, TURKEY</td>
<td>40.0 GHz SWITCHES</td>
</tr>
<tr>
<td>DANAM SYSTEMS, SOUTH KOREA</td>
<td>HIGH POWER SWITCHES, LRM (LONG RANGE MISSILE), DLVAs</td>
</tr>
<tr>
<td>ORBIT FR/ MVG, ISRAEL</td>
<td>AMPLIFIERS &amp; SWITCHES</td>
</tr>
<tr>
<td>NSI/MI TECHNOLOGIES, CA &amp; GA</td>
<td>SOLID STATE SWITCHES</td>
</tr>
<tr>
<td>PATRIA, FINLAND</td>
<td>F18</td>
</tr>
<tr>
<td>PACIFIC NORTWEST NATIONAL</td>
<td>mmW BODY SCANNING SYSTEM</td>
</tr>
<tr>
<td>LABORATORY, WA</td>
<td></td>
</tr>
<tr>
<td>NCSIST, TAIWAN</td>
<td>EW NAVAL PROJECTS, DLVAs, EW MODULES, SWITCHES,</td>
</tr>
<tr>
<td></td>
<td>AMPLIFIERS, FILTERS, ATTENUATORS, DTOs, SYNTHESIZERS AND OTHERS.</td>
</tr>
<tr>
<td>LMCO, CA</td>
<td>RF &amp; MICROWAVE SCANNING SYSTEM, SDLVA FOR THAAD</td>
</tr>
<tr>
<td>INDRA, SPAIN</td>
<td>NAVAL &amp; AIRBORNE SYSTEMS</td>
</tr>
</tbody>
</table>

**WEST COAST FACILITY:**
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 •USA•
Phone: 916-542-1401

**EAST COAST FACILITY:**
7311-F Grove Road
Frederick, MD 21704 •USA•
Phone: 301-662-5019

sales@pmi-rf.com
http://www.pmi-rf.com/about
## Customer Programs

<table>
<thead>
<tr>
<th>CUSTOMER</th>
<th>PROGRAM</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOUTH KOREAN NAVY, BUSAN</td>
<td>RF COMPONENTS FOR DF SYSTEM</td>
</tr>
<tr>
<td>MIT-LINCOLN LAB, MA</td>
<td>VARIOUS COMPONENTS FOR R &amp; D, COMPONENTS FOR QUANTUM COMPUTING</td>
</tr>
<tr>
<td>NASA, MD</td>
<td>HIGH POWER, SINGLE POLE DOUBLE THROW SWITCH</td>
</tr>
<tr>
<td>THALES, FRANCE</td>
<td>DIGITALLY TUNED ATTENUATORS</td>
</tr>
<tr>
<td>ROHDE &amp; SCHWARZ, GERMANY</td>
<td>SWITCHES (40.0 GHz)</td>
</tr>
<tr>
<td>AGILENT TECHNOLOGIES, CA</td>
<td>DETECTION LOG VIDEO AMPLIFIERS (DLVAs)</td>
</tr>
<tr>
<td>HARRIS CORPORATION, CA</td>
<td>CUSTOM AMPLIFIERS</td>
</tr>
<tr>
<td>MIKES, TURKEY</td>
<td>SPEWS-II (F16)</td>
</tr>
<tr>
<td>ARGONST, VA</td>
<td>RF DISTRIBUTION UNIT</td>
</tr>
<tr>
<td>L3 HARRIS, CLIFTON NJ</td>
<td>THRESHOLD DETECTORS, ALQ-172 (B-52 &amp; C-130), ALQ-214 (F18) DLVA for ALQ-214 upgrade</td>
</tr>
<tr>
<td>JPL, CA</td>
<td>LIMITER AMPLIFIER DIGITALLY TUNED ATTENUATORS PHASE SHIFTERS FREQUENCY DISCRIMINATORS</td>
</tr>
<tr>
<td>SPACE VECTOR, CA</td>
<td>ATLAS ROCKET</td>
</tr>
<tr>
<td>PASTERNACK ENTERPRISES, CA</td>
<td>OVER 150 DIFFERENT IN STOCK MODELS</td>
</tr>
</tbody>
</table>

**WEST COAST FACILITY:**
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA
Phone: 916-542-1401

**EAST COAST FACILITY:**
7311-F Grove Road
Frederick, MD 21704 • USA
Phone: 301-662-5019

sales@pmi-rf.com
http://www.pmi-rf.com/about
## Amplifiers
- Solid State

## Attenuators
- Variable/
- Programmable

## Bi-Phase Modulators

## Couplers (Quadrature, 180, Directional)

## Detectors
- RF / Microwave
- DLVAs, ERDLVAs & SDLVAs

## Filters
- Form, Fit, Functional Products
- & Services

## Frequency Converters

## Frequency Sources

## Frequency Discriminators
- & IFM

## Frequency Synthesizers

## Gain & Loss Equalizers

## Integrated MIC/MMIC Assemblies (IMAs)

## IQ Vector Modulators

## Limiters
- RF / Microwave

## Log Amps

## Miscellaneous Products

## Monopulse Comparators

## Multifunction Integrated Assemblies (IMAs)

## Phase Shifters & Bi-Phase Modulators

## Power Dividers/Combiners (Passive & Active)

## Pulse Modulators
- SP1T

## Rack & Chassis Mount Products

## Receiver Front Ends
- & Transceivers

## Single Side Band Modulators

## SMT & QFN Products

## Switch Matrices

## Switch Filter Banks

## Switches - Solid-State Systems - Radar Sense & Avoid

## Systems - Fly Eye Radar

## Threshold Detectors

## USB Products

---

### Programs

<table>
<thead>
<tr>
<th>CUSTOMER</th>
<th>PROGRAM</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTEL CORPORATION, CA</td>
<td>56 NETWORKS</td>
</tr>
<tr>
<td>DTS (CHILEAN AIRFORCE), CHILE</td>
<td>AMPLIFIERS</td>
</tr>
<tr>
<td>BRAZILIAN NAVY/THALES</td>
<td>RF COMPONENTS FOR DF SYSTEM (MAGE MK3)</td>
</tr>
<tr>
<td>ULTRA ELECTRONICS – AVALON SYSTEMS, AUSTRALIA</td>
<td>AMPLIFIERS</td>
</tr>
<tr>
<td>ULTRA ELECTRONICS – EWST, UK</td>
<td>SDLVAs, COARSE MICROWAVE DISCRIMINATOR</td>
</tr>
<tr>
<td>HENSOLDT SENSONRS GmbH, GERMANY</td>
<td>SDLVAs</td>
</tr>
<tr>
<td>ELDES S.R.L., ITALY</td>
<td>ATTENUATORS, SDLVAs</td>
</tr>
<tr>
<td>DANISH AIRFORCE, DENMARK</td>
<td>INTEGRATED MICROWAVE ASSEMBLY, F-18</td>
</tr>
<tr>
<td>NETHERLANDS MINISTRY OF DEFENSE, NETHERLANDS</td>
<td>SWITCHES</td>
</tr>
<tr>
<td>FOCUSMICROWAVES, CANADA</td>
<td>SWITCHES</td>
</tr>
<tr>
<td>MC COUNTERMEASURES, CANADA</td>
<td>SDLVAs</td>
</tr>
<tr>
<td>REIHNMETALL, ITALY</td>
<td>FREQUENCY DISCRIMINATORS</td>
</tr>
<tr>
<td>BANC3, NJ</td>
<td>OSCILLATORS</td>
</tr>
<tr>
<td>ANAREN, NY</td>
<td>CHANNELIZED RECEIVER</td>
</tr>
<tr>
<td>BAE, NY</td>
<td>NAVAL IMA</td>
</tr>
<tr>
<td></td>
<td>ALR-56</td>
</tr>
</tbody>
</table>

---

**WEST COAST FACILITY:**
4921 Robert J. Matthews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA •
Phone: 916-542-1401

**EAST COAST FACILITY:**
7311-F Grove Road
Frederick, MD 21704 • USA •
Phone: 301-662-5019

sales@pmi-rf.com
http://www.pmi-rf.com/about
<table>
<thead>
<tr>
<th>CUSTOMER</th>
<th>PROGRAM</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUGHES (RAYTHEON)</td>
<td>ALR-67</td>
</tr>
<tr>
<td>LOCKHEED MARTIN, NY</td>
<td>EQUALIZERS FOR BLQ-10, E-2D ALQ-217 &amp; GRIFIN</td>
</tr>
<tr>
<td>NAVAL RESEARCH LABORATORY (NRL) BLOSSOM POINT RESEARCH FACILITY</td>
<td>40 GHz AMPLIFIER AND BIAS TEE</td>
</tr>
<tr>
<td>TOSHIBA, JAPAN</td>
<td>ELINT, E2C</td>
</tr>
<tr>
<td>TRANSFORMATIONAL SECURITY, MD</td>
<td>CUSTOM THRESHOLD DETECTORS</td>
</tr>
<tr>
<td>ROYAL AUSTRALIAN NAVY</td>
<td>LOG AMP - CONDOR CS-5600 ESM (COLLINS CLASS SUBMARINE)</td>
</tr>
<tr>
<td>RHEINMETALL DEFENSE, ITALY</td>
<td>PLDROs FOR X-TAR-40, X-TAR-3D, AND KU-20</td>
</tr>
<tr>
<td>NSWC, CRANE, IN</td>
<td>AEGIS COMBAT SYSTEM</td>
</tr>
<tr>
<td>BOEING, MO</td>
<td>SWITCHES AND THRESHOLD DETECTORS FOR HARPOON (MISSLE) PROJECT</td>
</tr>
</tbody>
</table>
### Orders Booked Statistics by Country 2014 through 2016

<table>
<thead>
<tr>
<th>NO.</th>
<th>COUNTRY</th>
<th>% of Orders Booked</th>
<th>NO.</th>
<th>COUNTRY</th>
<th>% of Orders Booked</th>
<th>NO.</th>
<th>COUNTRY</th>
<th>% of Orders Booked</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AUSTRALIA</td>
<td>-</td>
<td>1</td>
<td>ARMENIA</td>
<td>-</td>
<td>1</td>
<td>CHINA</td>
<td>-</td>
</tr>
<tr>
<td>2</td>
<td>CHILE</td>
<td>-</td>
<td>2</td>
<td>AUSTRALIA</td>
<td>-</td>
<td>2</td>
<td>FRANCE</td>
<td>-</td>
</tr>
<tr>
<td>3</td>
<td>CHINA</td>
<td>-</td>
<td>3</td>
<td>CHINA</td>
<td>-</td>
<td>3</td>
<td>GERMANY</td>
<td>-</td>
</tr>
<tr>
<td>4</td>
<td>FRANCE</td>
<td>-</td>
<td>4</td>
<td>FINLAND</td>
<td>-</td>
<td>4</td>
<td>HONG KONG</td>
<td>-</td>
</tr>
<tr>
<td>5</td>
<td>GERMANY</td>
<td>-</td>
<td>5</td>
<td>FRANCE</td>
<td>-</td>
<td>5</td>
<td>INDIA</td>
<td>-</td>
</tr>
<tr>
<td>6</td>
<td>INDIA</td>
<td>-</td>
<td>6</td>
<td>GERMANY</td>
<td>-</td>
<td>6</td>
<td>ISRAEL</td>
<td>-</td>
</tr>
<tr>
<td>7</td>
<td>INDONESIA</td>
<td>-</td>
<td>7</td>
<td>INDIA</td>
<td>-</td>
<td>7</td>
<td>ITALY</td>
<td>-</td>
</tr>
<tr>
<td>8</td>
<td>ISRAEL</td>
<td>-</td>
<td>8</td>
<td>ISRAEL</td>
<td>-</td>
<td>8</td>
<td>JAPAN</td>
<td>-</td>
</tr>
<tr>
<td>9</td>
<td>ITALY</td>
<td>-</td>
<td>9</td>
<td>JAPAN</td>
<td>-</td>
<td>9</td>
<td>NORWAY</td>
<td>-</td>
</tr>
<tr>
<td>10</td>
<td>JAPAN</td>
<td>-</td>
<td>10</td>
<td>SINGAPORE</td>
<td>-</td>
<td>10</td>
<td>PERU</td>
<td>-</td>
</tr>
<tr>
<td>11</td>
<td>PERU</td>
<td>-</td>
<td>11</td>
<td>S KOREA</td>
<td>-</td>
<td>11</td>
<td>SINGAPORE</td>
<td>-</td>
</tr>
<tr>
<td>12</td>
<td>PHILIPPINES</td>
<td>-</td>
<td>12</td>
<td>SPAIN</td>
<td>-</td>
<td>12</td>
<td>S KOREA</td>
<td>-</td>
</tr>
<tr>
<td>13</td>
<td>S KOREA</td>
<td>-</td>
<td>13</td>
<td>SWEDEN</td>
<td>-</td>
<td>13</td>
<td>SPAIN</td>
<td>-</td>
</tr>
<tr>
<td>14</td>
<td>SOUTH AFRICA</td>
<td>-</td>
<td>14</td>
<td>TAIWAN</td>
<td>-</td>
<td>14</td>
<td>TAIWAN</td>
<td>-</td>
</tr>
<tr>
<td>15</td>
<td>SPAIN</td>
<td>-</td>
<td>15</td>
<td>TURKEY</td>
<td>-</td>
<td>15</td>
<td>TURKEY</td>
<td>-</td>
</tr>
<tr>
<td>16</td>
<td>TAIWAN</td>
<td>-</td>
<td>16</td>
<td>UNITED KINGDOM</td>
<td>23.82%</td>
<td>16</td>
<td>UNITED ARAB EMIRATES</td>
<td>-</td>
</tr>
<tr>
<td>17</td>
<td>TURKEY</td>
<td>-</td>
<td>17</td>
<td>INTERNATIONAL</td>
<td>76.18%</td>
<td>17</td>
<td>INTERNATIONAL</td>
<td>30.60%</td>
</tr>
<tr>
<td>18</td>
<td>UNITED KINGDOM</td>
<td>-</td>
<td>18</td>
<td>USA</td>
<td>-</td>
<td>18</td>
<td>USA</td>
<td>-</td>
</tr>
<tr>
<td>19</td>
<td>USA</td>
<td>88.39%</td>
<td></td>
<td>TOTAL:</td>
<td>100.00%</td>
<td></td>
<td>TOTAL:</td>
<td>100.00%</td>
</tr>
</tbody>
</table>

2014 TOTAL: 103.00%

2015 TOTAL: 100.00%

2016 TOTAL: 100.00%

Confidential and Proprietary
## Orders Booked Statistics by Country 2017 through 2019

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AUSTRALIA</td>
<td></td>
<td>1</td>
<td>ARMENIA</td>
<td></td>
<td>1</td>
<td>AUSTRALIA</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>CANADA</td>
<td></td>
<td>2</td>
<td>AUSTRALIA</td>
<td></td>
<td>2</td>
<td>AUSTRIA</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>CHINA</td>
<td></td>
<td>3</td>
<td>BRAZIL</td>
<td></td>
<td>3</td>
<td>BRAZIL</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>FRANCE</td>
<td></td>
<td>4</td>
<td>CANADA</td>
<td></td>
<td>4</td>
<td>CANADA</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>GERMANY</td>
<td></td>
<td>5</td>
<td>CHINA</td>
<td></td>
<td>5</td>
<td>CHINA</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>HONG KONG</td>
<td></td>
<td>6</td>
<td>FRANCE</td>
<td></td>
<td>6</td>
<td>FINLAND</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>HUNGARY</td>
<td></td>
<td>7</td>
<td>GERMANY</td>
<td></td>
<td>7</td>
<td>FRANCE</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>INDIA</td>
<td></td>
<td>8</td>
<td>HONG KONG</td>
<td></td>
<td>8</td>
<td>GERMANY</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>INDONESIA</td>
<td></td>
<td>9</td>
<td>INDIA</td>
<td></td>
<td>9</td>
<td>HONG KONG</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>ISRAEL</td>
<td></td>
<td>10</td>
<td>INDONESIA</td>
<td></td>
<td>10</td>
<td>INDIA</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>ITALY</td>
<td></td>
<td>11</td>
<td>ISRAEL</td>
<td></td>
<td>11</td>
<td>ISRAEL</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>JAPAN</td>
<td></td>
<td>12</td>
<td>ITALY</td>
<td></td>
<td>12</td>
<td>ITALY</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>NETHERLANDS</td>
<td></td>
<td>13</td>
<td>JAPAN</td>
<td></td>
<td>13</td>
<td>JAPAN</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>PAKISTAN</td>
<td></td>
<td>14</td>
<td>MALAYSIA</td>
<td></td>
<td>14</td>
<td>NEW ZEALAND</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>SERBIA</td>
<td></td>
<td>15</td>
<td>NETHERLANDS</td>
<td></td>
<td>15</td>
<td>PORTUGAL</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>SINGAPORE</td>
<td></td>
<td>16</td>
<td>SINGAPORE</td>
<td></td>
<td>16</td>
<td>SINGAPORE</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>S KOREA</td>
<td></td>
<td>17</td>
<td>S KOREA</td>
<td></td>
<td>17</td>
<td>S KOREA</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>SPAIN</td>
<td></td>
<td>18</td>
<td>SPAIN</td>
<td></td>
<td>18</td>
<td>SPAIN</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>SWEDEN</td>
<td></td>
<td>19</td>
<td>SWEDEN</td>
<td></td>
<td>19</td>
<td>SWEDEN</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>TAIWAN</td>
<td></td>
<td>20</td>
<td>TAIWAN</td>
<td></td>
<td>20</td>
<td>TAIWAN</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>TURKEY</td>
<td></td>
<td>21</td>
<td>TURKEY</td>
<td></td>
<td>21</td>
<td>TURKEY</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>UNITED ARAB EMIRATES</td>
<td></td>
<td>22</td>
<td>UNITED KINGDOM</td>
<td></td>
<td>21</td>
<td>UNITED KINGDOM</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>UNITED KINGDOM</td>
<td>36.85%</td>
<td>23</td>
<td>INTERNATIONAL</td>
<td>29.17%</td>
<td>22</td>
<td>USA</td>
<td>70.83%</td>
</tr>
<tr>
<td>24</td>
<td>USA</td>
<td>63.85%</td>
<td>24</td>
<td>2019 TOTAL: 100.00%</td>
<td>24</td>
<td>2019 TOTAL: 100.00%</td>
<td>24</td>
<td>2019 TOTAL: 100.00%</td>
</tr>
</tbody>
</table>

2017 TOTAL: 100.00%

---

**WEST COAST FACILITY:**
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA•
Phone: 916-542-1401

**EAST COAST FACILITY:**
7311-F Grove Road
Frederick, MD 21704 • USA•
Phone: 301-662-5019

[http://www.pmi-rf.com/about](http://www.pmi-rf.com/about)

sales@pmi-rf.com

Confidential and Proprietary
Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA
Phone: 916-542-1401

sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA
Phone: 301-662-5019
PMI EAST COAST OPERATIONS

Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 •USA•
Phone: 916-542-1401

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 •USA•
Phone: 301-662-5019

sales@pmi-rf.com
http://www.pmi-rf.com/about

2.0 to 18.0 GHz
200 W CW TWT Amplifiers

Keysight 50 GHz PNA

20 W Fiber Laser

SSPA 10 MHz to 2.0 GHz, 100 W CW
PMI EAST COAST OPERATIONS

Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA• Phone: 916-542-1401

Hermetic Package Testing

Random Vibration
sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA• Phone: 301-662-5019

Shock Testing

Thermal Shock
PMI EAST COAST OPERATIONS

Amplifiers - Solid State
Attenuators - Variable/
Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180,
Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products
& Services
Frequency Converters
Frequency Sources
Frequency Discriminators &
IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC
Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated
Assemblies (IMAs)
Phase Shifters & Bi-Phase
Modulators
Power Dividers/Combiners
(Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount
Products
Receiver Front Ends &
Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense &
Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 •USA•
Phone: 916-542-1401
sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 •USA•
Phone: 301-662-5019
Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products
AMPLIFIERS - SOLID STATE
ATTENUATORS - VARIABLE/PROGRAMMABLE
BI-PHASE MODULATORS
COUPLERS (QUADRATURE, 180, DIRECTIONAL)
DETECTORS - RF / MICROWAVE
DLVAs, ERDLVAs & SDLVAs
FILTERS & SWITCHED FILTER BANKS
FORM, FIT, FUNCTIONAL PRODUCTS & SERVICES
FREQUENCY CONVERTERS
FREQUENCY SOURCES
FREQUENCY DISCRIMINATORS & IFM
FREQUENCY SYNTHESIZERS
GAIN & LOSS EQUALIZERS
INTEGRATED MIC/MMIC ASSEMBLIES (IMAs)
IQ VECTOR MODULATORS
LIMITERS - RF / MICROWAVE
LOG AMPS
MISCELLANEOUS PRODUCTS
MONOPULSE COMPARATORS
MULTIFUNCTION INTEGRATED ASSEMBLIES (IMAs)
PHASE SHIFTERS & BI-PHASE MODULATORS
POWER DIVIDERS/COMBINERS (PASSIVE & ACTIVE)
PULSE MODULATORS - SP1T
RACK & CHASSIS MOUNT PRODUCTS
RECEIVER FRONT ENDS & TRANSCIEVERS
SINGLE SIDE BAND MODULATORS
SMT & QFN PRODUCTS
SWITCH MATRICES
SWITCH FILTER BANKS
SWITCHES - SOLID-STATE
SYSTEMS - RADAR SENSE & AVOID
SYSTEMS - FLY EYE RADAR
THRESHOLD DETECTORS
USB PRODUCTS

Mazak Nexus 430A-II CNC Milling Machine

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA •
Phone: 916-542-1401

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA •
Phone: 301-662-5019
Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA
Phone: 916-542-1401
sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA
Phone: 301-662-5019

PMI EAST COAST OPERATIONS
PMI East Coast Operations
Manufacturing and Standards

Network Analyzers:
- (3) Agilent N5230A PNA (10 MHz to 40 GHz)
- (2) Agilent N5230A PNA (10 MHz to 20 GHz)
- (2) Agilent N5230C-420 PNA-L (10 MHz to 40 GHz)
- (2) Agilent N4691 E-CAL (10 MHz to 20 GHz)
- (2) Agilent N4692 E-CAL (10 MHz to 40 GHz)
- (1) Agilent E8363C PNA (10 MHz to 40 GHz)
- (1) HP Network Analyzer (10 kHz to 300 MHz)
- (1) HP 5100 Network Analyzer (0.5 to 26.5 GHz)
- (1) Agilent N5230C PNA Network Analyzer (10 MHz to 20 GHz)
- (1) Keysight E8364B PNA Network Analyzer (10 MHz to 40 GHz)
- (3) Keysight N5234A PNA-L Network Analyzer (10 MHz to 50 GHz)
- (1) Keysight N4692A E-CAL (10 MHz to 50 GHz)
- (1) Keysight 8362B Network Analyzer (10 MHz to 20 GHz)

Noise Figure Meter:
- (2) Agilent N8975A (10 MHz to 26.5 GHz) & Downconverter (40 GHz)
- (1) HP 8970B

Spectrum Analyzer:
- (1) HP 8593E
- (1) HP E4448A PSA Spectrum Analyzer (3 Hz to 50 GHz)
- (1) Keysight N9030A Spectrum Analyzer (3 Hz to 50 GHz)
- (1) Keysight 8563E Spectrum Analyzer (9 kHz - 26.5 GHz)

Power Meter:
- (3) Gigatronics 8541B/C, 8542C
- (4) Agilent E4418B
- (1) Agilent N1913A

Pulse/Signal Generators:
- (1) Agilent E8257D
- (1) Anritsu MG3692B
- (1) HP 8015A
- (1) HP 8013B
- (1) HP 8012B
- (1) HP 8350B Sweep Oscillator
- (1) HP Arbitrary Waveform Generator 33120A
- (1) HP 8664A
- (1) Wavetek Model 801
- (2) HP 8673D
- (2) Agilent 33522A Arbitrary Waveform Generator
- (2) Keysight E8257A PSG Analog Signal Generator
- (5) Keysight E8257D PSG Analog Signal Generator
- (1) Siglent SDG1062X and Siglent SDG1032X Waveform Generators

Oscilloscopes:
- (1) Tektronix TDS210
- (1) Tektronix TDS2024C
- (1) Agilent DS06034A
- (1) Keysight DS080204B
- (1) Keysight DS080204A
- (4) Agilent DSOX3034A
- (1) Keysight (2 GHz BW)

Power Amplifiers:
- (1) Varian TWTA 7 – 18 GHz, 20W
- (1) CPI TWT Amplifier (2-8 & 8-18 GHz) 300 W CW
- (1) MC (3-3.5 GHz) 100 W
- (1) MC (800 – 1000 MHz) 100 W
- (1) MC (20 -512 MHz) 25-50 W
- (1) MC (20-500 MHz) 100 W
- (1) Spanawave GT-1051B Power Amplifier, 10 MHz to 50 GHz, 1/2 Watt to 40 GHz, 1/4 Watt to 50 GHz
PMI East Coast Operations
Manufacturing and Standards

➢ Manufacturing Equipment:

- (1) TSE-11-A ESPEC Thermal Shock Chamber
- (1) T Shock Jr. Thermal Shock Chamber
- (1) JEN410 IR Reflow Oven
- (1) Thermo Electron Oven
- (2) Anatech Plasma Cleaner
- (1) Metallurgical Microscope MT1000
- (5) Westbond 74767E-79 Convertible Wire Bonder
- (1) Westbond 7476E-79 Wedge Wire Bonder
- (1) Westbond 747630E-79 Wedge Wire Bonder
- (1) Westbond 7400A Wedge Wire Bonder
- (2) Westbond Bond Pull Center
- (1) Dage Bond Puller / Die Shear
- (1) Unitek Unibond-II Parallel Gap Welder
- (2) HAAS DT1 CNC Milling Machine
- (1) Mazak Nexus 430A-II CNC Milling Machine
- (1) Hardinge Turret Lathe
- (1) Di-Acro Power Shear
- (1) Brady Label Machine BP-THT-600-11
- (7) ESS Thermal Hot/Cold Plates
- (1) Ling Dynamic V650 Random Vibration Setup
- (1) Shock Tester
- (1) Varian Helium Leak Tester
- (1) 2.0 to 18.0 GHz 200 W CW TWT Amplifiers
- (1) Keysight 50 GHz PNA
- (1) SSPA 10 MHz to 2.0 GHz, 100 W CW
- (1) 20 W Fiber Laser
- (1) Hermetic Package Tester
- (1) UV Curing Light Printer
- (1) Hermetic Laser Welder
- (1) Cycling Chamber
- (1) CO₂ Laser

➢ Software:

- Keysight - Genesys S/Filter Synthesis and Simulation
- Ansys – HFSS, High Frequency Structural Simulator
- Exact MAX – MRP/ERP Software
- AutoCAD 2005
- AutoCAD 2013
- Altium Designer
- Microwave Office
- SolidWorks 2014
- Gibbs Cam

➢ Standards:

- ISO9001
- MIL-STD-454
- MIL-STD-202
- MIL-STD-883
- MIL-E-5400
- MIL-I-45208
- IPC-A-610 Workmanship Standard
- IPC-J-STD-001 Soldering Standard
- MIL-STD-45662 Calibration Standard

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 •USA•
Phone: 916-542-1401

sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 •USA•
Phone: 301-662-5019
Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State Systems - Radar Sense & Avoid
Systems - Fly Eye Radar Threshold Detectors USB Products

PMI West Coast Operations

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 •USA•
Phone: 916-542-1401

sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 •USA•
Phone: 301-662-5019
Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA •
Phone: 916-542-1401

sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA •
Phone: 301-662-5019
PMI West Coast Operations

Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA
Phone: 916-542-1401

sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA
Phone: 301-662-5019
PMI West Coast Operations

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA
Phone: 916-542-1401

sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA
Phone: 301-662-5019
Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners
(Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA•
Phone: 916-542-1401

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA•
Phone: 301-662-5019

sales@pmi-rf.com
http://www.pmi-rf.com/about
PMI West Coast Operations

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 •USA•
Phone: 916-542-1401
sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 •USA•
Phone: 301-662-5019
PMI West Coast Operations
Manufacturing and Standards

Network & Spectrum Analyzers:
- (5) HP 8757D Scalar Analyzers
- (1) HP 8720D Network Analyzer
- (1) HP 8565E Spectrum Analyzer (50 GHz)
- (1) HP 8592L Spectrum Analyzer
- (1) Keysight E8364B PNA Network Analyzer (10 MHz to 50 GHz)

Noise Figure Meters:
- (1) HP 8970A Noise Meter
- (1) Keysight N4002A Noise Source

Power Meters:
- (1) HP EPM-442 Power Meter
- (1) HP E4412A Power Meter
- (1) HP 437B Power Meter
- (1) HP 437A Power Meter

Pulse/Signal Generators:
- (1) HP 83731B Signal Generator
- (1) HP 83620A Signal Generator
- (1) HP 8013B Pulse Generator
- (4) HP 83620A Sweep Generators

Oscilloscopes:
- (1) Infiniium Digital Scope & Probe
- (1) Keysight MSO-X-3054A 500 MHz BW
- (1) Tektronix 2246 100 MHz BW
- (1) Tektronix 2465A 350 MHz BW

Manufacturing Equipment:
- (1) Quincy Model 40 Oven
- (1) Sym-Tek P162P5J Oven
- (1) Cole/Parm 05015-50 Oven
- (1) Blue M Stable Therm Oven
- (1) Branson 821D Ultrasonic Cleaner
- (2) UNITEK Gap Welders
- (1) Anatech Plasma Cleaner/Etcher
- (3) Westbond 7400A Wedge Bonders
- (1) Westbond 8850 Bond Pull Center
- (3) Westbond 1200A Die Attach Stations
- (1) HAAS DT1 CNC Milling Machine
- (2) Westbond 8849 Convertible Wire Bonder
- (1) Westbond 8850 Ball Bonder
- (1) Westbond 7600B Ribbon Bonder
- (4) Thermal Hot/Cold Plates
- (4) Hot Plates

Software:
- Keysight - Genesys S/Filter Synthesis and Simulation
- Ansys – HFSS, High Frequency Structural Simulator
- Exact MAX – MRP/ERP Software
- AutoCAD 2005
- AutoCAD 2013
- Gibbs Cam

Standards:
- ISO9001
- MIL-STD-454
- MIL-STD-202
- MIL-STD-883
- MIL-E-5400
- MIL-I-45208
- IPC-A-610 Workmanship Standard
- IPC-J-STD-001 Soldering Standard
- MIL-STD-45662 Calibration Standard
International Traffic in Arms Regulations (ITAR)

- Trained and Experienced ITAR/Export Administrator
- Export Compliance Manual
- AES (Automated Export System) certified export staff
- Long Term Relationships with both DDTC and SNAP-R Personnel
- NIST SP 800-171 and DFARS 252.204-7012 Self-Certified and Compliant
- U.S. Government Registration Numbers:
  - Cage Code: 05XQ0 (East Coast)
  - Cage Code: 71A34 (West Coast)
  - DUNS Number: 829998517
  - SAM (CCR) Registration: 1998E211401
  - Federal Tax ID (TIN): 52-1756966
  - DDTC Registrant Code: M16913
  - DSS Cleared Facility
Amplifiers - Solid State
Attenuators - Variable/
Programmable
Bi-Phase Modulators
Couplers (Quadrature, 180,
Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products
&S Services
Frequency Converters
Frequency Sources
Frequency Discriminators &
IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC
Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated
Assemblies (IMAs)
Phase Shifters & Bi-Phase
Modulators
Power Dividers/Combiners
(Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount
Products
Receiver Front Ends &
Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense &
Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products
Amplifiers - Solid State
Attenuators - Variable/Programmable
Bi-Phase Modulators
Couplers (Quadrate, 180, Directional)
Detectors - RF / Microwave
DLVAs, ERDLVAs & SDLVAs
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Converters
Frequency Sources
Frequency Discriminators & IFM
Frequency Synthesizers
Gain & Loss Equalizers
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters - RF / Microwave
Log Amps
Miscellaneous Products
Monopulse Comparators
Multifunction Integrated Assemblies (IMAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators - SP1T
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switch Filter Banks
Switches - Solid-State
Systems - Radar Sense & Avoid
Systems - Fly Eye Radar
Threshold Detectors
USB Products

MANUFACTURING FLOW DIAGRAMS

WEST COAST FACILITY:
4921 Robert J. Mathews Pkwy, Suite 1
El Dorado Hills, CA 95762 • USA•
Phone: 916-542-1401
sales@pmi-rf.com
http://www.pmi-rf.com/about

EAST COAST FACILITY:
7311-F Grove Road
Frederick, MD 21704 • USA•
Phone: 301-662-5019

MANUFACTURING CYCLE FOR ITAR
(INTERNATIONAL TRAFFIC IN ARMS REGULATIONS)

MANUFACTURING CYCLE FOR NON-ITAR
(INTERNATIONAL TRAFFIC IN ARMS REGULATIONS)

MANUFACTURING CYCLE FOR NON-ITAR
(INTERNATIONAL TRAFFIC IN ARMS REGULATIONS)

MANUFACTURING CYCLE FOR NON-ITAR
(INTERNATIONAL TRAFFIC IN ARMS REGULATIONS)