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.
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 Monolithics Microwave Integrated Circuits) Components, Supercomponents, 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 50GHz

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

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

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

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

TUNER / SUPERHETRODYNE FRONT-END

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 TRANSCEIVER / TRANSPONDER BLOCK DIAGRAM
Application of PMI DC to 50 GHz Components & Sub-Systems

TYPICAL RADAR WARNING RECEIVER FRONT-END OR DIRECTION FINDING RECIEVER 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**
PMI PRODUCTS

Amplifiers – Solid State
Attenuators – Variable/Programmable
Couplers (Quadrature, 180° & Directional)
Detectors – RF/Microwave
DLVAs, ERDLVAs & SDLVAs
DTOs, VCOs, PLO, DROs, & Frequency Synthesizers
Filters & Switched
Filter Banks
Form, Fit, Functional Products & Services
Frequency Discriminators & IFMs
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters – RF/Microwave
Log Amplifiers
Millimeter Wave Components
(Up to 50 GHz)
Miscellaneous Products
Multifunction Integrated Assemblies (MIAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators (SPST)
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
SDLVAs, ERDLVAs & DLVAs
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switched Filter Banks
Switches – Solid State Systems - Radar Sense & Avoid
Systems – Fly Eye Radars
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

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

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

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

1.0 to 1.1 GHz
100 W Average, SP2T Reflective Switch

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

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

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

0.5 to 18.0 GHz, 20 dB Switched Bit Attenuator

1.0 to 18.0 GHz, 60 dB Digital Attenuator

DC to 2.0 GHz, Switched Bit Attenuator

Digitally Tuned Attenuators

1.0 to 4.0 GHz, Voltage Variable Attenuator

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
Couplers (Quadrature, 180° & Directional)
Detectors – RF/Microwave
DLVAs, ERDLVAs & SDLVAs
DTOs, VCOs, PLO, DROs, & Frequency Synthesizers
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Discriminators & IFMs
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters – RF/Microwave
Log Amplifiers
Millimeter Wave Components (Up to 50 GHz)
Miscellaneous Products
Multifunction Integrated Assemblies (MIAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators (SPST)
Receiver Front Ends & Transceivers
SDLVAs, ERDLVAs & DLVAs
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switched Filter Banks
Switches – Solid State
Systems - Radar Sense & Avoid
Systems – Fly Eye Radars
Threshold Detectors
USB Products
PMI PRODUCTS

Amplifiers – Solid State
Attenuators – Variable/Programmable
Couplers (Quadrature, 180° & Directional)
Detectors – RF/Microwave
DLVAs, ERDLVAs & SDLVAs
DTos, VCOs, PLO, DROs, & Frequency Synthesizers
Filters & Switched
Filter Banks
Form, Fit, Functional
Products & Services
Frequency Discriminators & IFMs
Integrated MIC/MMIC
Assemblies (IMAs)
IQ Vector Modulators
Limiters – RF/Microwave
Log Amplifiers
Millimeter Wave
Components (Up to 50 GHz)
Miscellaneous Products
Multifunction Integrated
Assemblies (MIAs)
Phase Shifters & Bi-Phase
Modulators
Power Dividers/Combiners
(Passive & Active)
Pulse Modulators (SPST)
Rack & Chassis Mount
Products
Receiver Front Ends
& Transceivers
SDLVAs, ERDLVAs
& DLVAs
Single Side Band
Modulators
SMT & QFN Products
Switch Matrices
Switched Filter Banks
Switches – Solid State
Systems - Radar Sense & Avoid
Systems – Fly Eye Radars
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

12.0 to 18.0 GHz
Frequency Discriminator

0.1 to 18.0 GHz, CW Immune SDLVA

8.0 to 18.0 GHz, SDLVA

1.1 to 1.12 GHz, 180° Bi-Phase
Modulator/Phase Shifter

6.0 to 18.0 GHz, 360° Digital Phase Shifter

SP3T Switch

8.0 to 10.0 GHz, 360° Digital
Phase Shifter

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

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

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

9.0 to 10.0 GHz, LNA w/37 dB Gain & 3 dB Noise Figure

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
Couplers (Quadrature, 180° & Directional)
Detectors – RF/Microwave
DVLAs, ERDLVAs & SDLVAs
DTos, VCos, PLO, DROs, & Frequency Synthesizers
Filters & Switched
Filter Banks
Form, Fit, Functional
Products & Services
Frequency Discriminators & IFMs
Integrated MIC/MMIC
Assemblies (IMAs)
IQ Vector Modulators
Limiters – RF/Microwave
Log Amplifiers
Millimeter Wave
Components (Up to 50 GHz)
Miscellaneous Products
Multifunction Integrated
Assemblies (MIAs)
Phase Shifters & Bi-Phase
Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators (SPST)
Rack & Chassis Mount
Products
Receiver Front Ends
& Transceivers
SDLVAs, ERDLVAs & DLVAs
Single Side Band
Modulators
SMT & QFN Products
Switch Matrices
Switched Filter Banks
Switches – Solid State
Systems - Radar Sense & Avoid
Systems – Fly Eye Radars
Threshold Detectors
USB Products
PMI PRODUCTS

4-Way Power Divider with Quad Phase Output of J2=0°, J3=90°, J4=180° & J5=270°

30 MHz to 6.0 GHz, Amplified 8-Way Power Divider

Quadrature Couplers

6.0 to 19.0 GHz, 2-Way Power Divider

20 MHz to 6.0 GHz, Amplified 4-Way Power Divider

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

1.0 GHz, Frequency Discriminator

2.0 to 18.0 GHz, SDLVA

1.0 to 18.0 GHz Limiting Amplifier

2.0 to 18.0 GHz Digital Frequency Discriminator

3.1 to 3.5 GHz Bi-Directional Variable Attenuator

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

0.75 to 1.25 GHz SDLVA

0.5 to 8.0 GHz RF Limiter

26.5 to 40.0 GHz, Passive Amplitude Equalizer

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
Couplers (Quadrature, 180° & Directional)
Detectors – RF/Microwave
DLVAs, ERDLVAs & DLVAs
DTOs, VCOs, PLO, DROs, & Frequency Synthesizers
Filters & Switched
Filter Banks
Form, Fit, Functional
Products & Services
Frequency Discriminators & IFMs
Integrated MIC/MMIC
Assemblies (IMAs)
IQ Vector Modulators
Limiters – RF/Microwave
Log Amplifiers
Millimeter Wave
Components (Up to 50 GHz)
Miscellaneous Products
Multifunction Integrated Assemblies (MIAs)
Phase Shifters & Bi-Phase
Modulators
Power Dividers/Combiners
(Passive & Active)
Pulse Modulators (SPST)
Rack & Chassis Mount
Products
Receiver Front Ends
& Transceivers
SDLVAs, ERDLVAs & DLVAs
Single Side Band
Modulators
SMT & QFN Products
Switch Matrices
Switched Filter Banks
Switches – Solid State
Systems - Radar Sense & Avoid
Systems – Fly Eye Radars
Threshold Detectors
USB Products
PMI PRODUCTS

1.0 to 20.0 GHz
6-Channel Switch Filter Bank

18.0 to 40.0 GHz
Bi-Phase Modulator

2.0 to 6.0 GHz
Integrated Microwave Assembly

2.0 to 18.0 GHz
Bi-Phase Modulator

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
Coupplers (Quadrature, 180° & Directional)
Detectors – RF/Microwave
DLVAs, ERDLVAs & SDLVAs
DTos, VCOs, PLO, DROs, & Frequency Synthesizers
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Discriminators & IFMs
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters – RF/Microwave
Log Amplifiers
Millimeter Wave Components (Up to 50 GHz)
Miscellaneous Products
Multifunction Integrated Assemblies (MIAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators (SPST)
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
SDLVAs, ERDLVAs & DLVAs
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switched Filter Banks
Switches – Solid State
Systems - Radar Sense & Avoid
Systems – Fly Eye Radars
Threshold Detectors
USB Products
PMI PRODUCTS

0.4 to 2.0 GHz, Coaxial Limiter

0.03 to 3.0 GHz, High Power Limiter

18.0 to 40.0 GHz, High Power Limiter

0.5 to 8.0 GHz, Active Limiter

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

18.0 to 40.0 GHz, Low Loss Diplexer

750 MHz Cavity Filter with 500 MHz, 1 dB Bandwidth

Low Pass Filter with 2400 MHz Cutoff Frequency

6.0 to 18.0 GHz, Filter/Detector

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

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
Couplers (Quadrature, 180° & Directional)
Detectors – RF/Microwave
DLVAs, ERDLVAs & SDLVAs
DTOs, VCOs, PLO, DROs, & Frequency Synthesizers
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Discriminators & IFMs
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters – RF/Microwave
Log Amplifiers
Millimeter Wave Components (Up to 50 GHz)
Miscellaneous Products
Multifunction Integrated Assemblies (MIAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators (SPST)
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
SDLVAs, ERDLVAs & DLVAs
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switched Filter Banks
Switches – Solid State
Systems - Radar Sense & Avoid
Systems – Fly Eye Radars
Threshold Detectors
USB Products
PMI PRODUCTS

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 9.0 GHz, 100 W CW 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

2.0 to 18.0 GHz, +50 dBm Peak RF Limiter

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
Couplers (Quadrature, 180° & Directional)
Detectors – RF/Microwave
DLVAs, ERDLVAs & SDLVAs
DTos, VCOs, PLO, DROs, & Frequency Synthesizers
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Discriminators & IFMs
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters – RF/Microwave
Log Amplifiers
Millimeter Wave Components (Up to 50 GHz)
Miscellaneous Products
Multifunction Integrated Assemblies (MIAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators (SPST)
Receiver Front Ends & Transceivers
SDLVAs, ERDLVAs & DLVAs
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switched Filter Banks
Switches – Solid State
Systems - Radar Sense & Avoid
Systems – Fly Eye Radars
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

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

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

21.0 GHz, Beam Forming Monopulse Circuit

2.0 to 18.0 GHz, Digitally Tuned Oscillator (DTO)

6.0 to 18.0 GHz, Synthesizer

1.0 to 18.0 GHz, Frequency Discriminator

Delay Line in a Frequency Discriminator

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

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

7.0 to 18.0 GHz, 75 dB SDLVA

6.0 to 18.0 GHz, SDLVA

7.0 to 18.0 GHz, 75 dB DLVA

2.0 to 18.0 GHz, 65 dB CW Immune ERDLVA

2.0 to 18.0 GHz, 65 dB ERDLVA

100 to 700 MHz, 55 dB SDLVA

0.5 to 18.0 GHz, 50 dB DLVA

700 to 1250 MHz, 70 dB SDLVA

8.0 to 18.0 GHz, 40 dB SDLVA

2.0 to 4.0 GHz, 45 dB DLVA

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

18.0 to 40.0 GHz, 65 dB SDLVA

3.0 to 18.0 GHz, 70 dB SDLVA

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

Amplifiers – Solid State
Attenuators – Variable/Programmable
Couplers (Quadrature, 180° & Directional)
Detectors – RF/Microwave
DLVAs, ERDLVAs & SDLVAs
DTos, VCOs, PLO, DROs, & Frequency Synthesizers
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Discriminators & IFMs
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters – RF/Microwave
Log Amplifiers
Millimeter Wave Components (Up to 50 GHz)
Miscellaneous Products
Multifunction Integrated Assemblies (MIAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators (SPST)
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
SDLVAs, ERDLVAs & DLVAs
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switched Filter Banks
Switches – Solid State
Systems - Radar Sense & Avoid
Systems – Fly Eye Radars
Threshold Detectors
USB Products

7.0 to 18.0 GHz, 75 dB DLVA
PMI PRODUCTS

1.0 to 18.0 GHz, Limiting Amplifier

IF Logarithmic Amplifier (SDLVA)

24.0 to 40.0 GHz, Bandpass Filter

6.0 to 18.0 GHz, I/Q Vector Modulator

85 MHz to 18.0 GHz, I/Q Vector Modulator

Custom Frequency Doubler Module

0.95 to 18.0 GHz, 8 Channel Switch Filter Bank

0.1 to 18.0 GHz, Threshold Detector

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
Couplers (Quadrature, 180° & Directional)
Detectors – RF/Microwave
DLVs, ERDLVs & SDLVs
DTos, VCOs, PLO, DROs, & Frequency Synthesizers
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Discriminators & IFMs
Integrated MIC/MMIC Assemblies (IMAs)
I/Q Vector Modulators
Limiters – RF/Microwave Log Amplifiers
Millimeter Wave Components (Up to 50 GHz)
Miscellaneous Products
Multifunction Integrated Assemblies (MIAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators (SPST)
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
SDLVs, ERDLVs & DLVs
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switched Filter Banks
Switches – Solid State
Systems - Radar Sense & Avoid
Systems – Fly Eye Radars Threshold Detectors
USB Products
PMI PRODUCTS

Amplifiers – Solid State
Attenuators – Variable/Programmable
Couplers (Quadrature, 180° & Directional)
Detectors – RF/Microwave
DLVAs, ERDLVAs & SDLVAs
DToS, VCOs, PLO, DROs, & Frequency Synthesizers
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Discriminators & IFMs
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters – RF/Microwave
Log Amplifiers
Millimeter Wave Components (Up to 50 GHz)
Miscellaneous Products
Multifunction Integrated Assemblies (MIAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators (SPST)
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
SDLVAs, ERDLVAs & DLVAs
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switched Filter Banks
Switches – Solid State
Systems - Radar Sense & Avoid
Systems – Fly Eye Radars
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, I/Q Vector Modulator
1030 MHz ±0.01 MHz, Power Detector Module
7.7 to 8.2 GHz Laser Control Module

0.5 to 18.0 GHz, Custom Phase (±10°) & Amplitude (±1.5 dB) Matched Integrated Modules/Assemblies
9410 MHz, Multi-Function Module
10 MHz to 18.0 GHz, Amplified Detector Module
1.0 to 18.0 GHz, Triplexer
14.65 to 15.35 GHz Integrated Limiter and Attenuator

PMI PRODUCTS
PMI PRODUCTS

100 MHz to 18.0 GHz Transceiver (Phase II)

85 MHz to 2.0 GHz, 8 bit 360° Phase Shifter

500 MHz to 40.0 GHz USB Powered SP2T Switch

2.0 to 6.0 GHz, 8 Bit 360° Phase Shifter

4.0 to 18.0 GHz, Up/Down Converter

100 MHz to 18.0 GHz Transceiver (Phase III)

0.5 to 40.0 GHz, USB Powered LNA

Vector Modulator

Double Sided 100 MHz to 18.0 GHz Switch Filter Bank

Integrated Module

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

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

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

3.0 to 3.5 GHz
Monopulse Comparator

20.2 to 21.2 GHz
Monopulse Circuit

9.0 to 10.0 GHz
Monopulse Comparator

9.5 to 10.1 GHz
Monopulse Comparator

2.0 to 4.0 GHz
Monopulse Comparator

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
11.825 GHz Band Pass Filter

DC to 26.0 GHz 5-Channel Switch Filter Bank

0.5 to 18.0 GHz 16-Way Power Divider

14.125 GHz Band Pass Filter

70 to 330 MHz Threshold Detector

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

1.0 to 18.0 GHz
4-Way Power Divider

20 MHz to 20.0 GHz Limiter

0.1 to 20.0 GHz Limiter

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

1.0 to 22.0 GHz
4-Way Power Divider

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

2.0 to 18.0 GHz
4-Way Power Divider

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

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

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

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

13.0 to 14.0 GHz
8-Bit Programmable Attenuator

0.5 to 18.0 GHz
Dual Gain Amplifier

4.0 to 8.0 GHz
SP20T Absorptive Switch

328 to 335.5 MHz
7-Way Power Divider

30 MHz to 3.0 GHz
High Power Limiter

2.0 to 18.0 GHz
SP6T Reflective Switch

4828.57 MHz
Band Pass Filter

2.0 to 12.0 GHz
Low Noise 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

PMI PRODUCTS

Amplifiers – Solid State
Attenuators – Variable/Programmable
Couplers (Quadrature, 180° & Directional)
Detectors – RF/Microwave
DLVAs, ERDLVAs & SDLVAs
DTos, VCos, PLO, DROs, & Frequency Synthesizers
Filters & Switched
Filter Banks
Form, Fit, Functional
Products & Services
Frequency Discriminators & IFMs
Integrated MIC/MMIC
Assemblies (IMAs)
IQ Vector Modulators
Limiters – RF/Microwave
Log Amplifiers
Millimeter Wave
Components (Up to 50 GHz)
Miscellaneous Products
Multifunction Integrated
Assemblies (MIAs)
Phase Shifters & Bi-Phase
Modulators
Power Dividers/Combiners
(Passive & Active)
Pulse Modulators (SPST)
Rack & Chassis Mount
Products
Receiver Front Ends & Transceivers
SDLVAs, ERDLVAs & DLVAs
Single Side Band
Modulators
SMT & QFN Products
Switch Matrices
Switched Filter Banks
Switches – Solid State
Systems - Radar Sense & Avoid
Systems – Fly Eye Radars
Threshold Detectors
USB Products
PMI PRODUCTS

0.1 to 18.0 GHz
SP3T Absorptive Switch

0.5 to 18.0 GHz
16-Way Power Divider

3.5 to 5.5 GHz
Frequency Discriminator

0.5 to 18.0 GHz
Hybrid Coupler

1.0 to 25.0 GHz
Low Noise Amplifier

3.5 to 5.5 GHz
Frequency Discriminator

5.0 to 10.0 GHz
Passive Amplitude Equalizer

1.0 to 18.0 GHz
7-Bit Programmable Attenuator

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
Couplers (Quadrature, 180° & Directional)
Detectors – RF/Microwave
DLVAs, ERDLVAs & SDLVAs
DTOs, VCOs, PLO, DROs, & Frequency Synthesizers
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Discriminators & IFMs
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters – RF/Microwave
Log Amplifiers
Millimeter Wave Components (Up to 50 GHz)
Miscellaneous Products
Multifunction Integrated Assemblies (MIAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators (SPST)
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
SDLVAs, ERDLVAs & DLVAs
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switched Filter Banks
Switches – Solid State Systems - Radar Sense & Avoid
Systems – Fly Eye Radars Threshold Detectors
USB Products
0.1 to 18.0 GHz Transceiver

0.1 to 18.0 GHz CW-Immune SDLVA

2.6 to 5.2 GHz
High Speed Integrated Module

840 MHz Phase-Locked Oscillator

10 MHz, 8-Way Amplified Power Divider

0.1 to 18.0 GHz
Integrated Module

0.1 to 18.0 GHz
Transceiver Module

0.1 to 18.0 GHz
Transceiver

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
Couplers (Quadrature, 180° & Directional)
Detectors – RF/Microwave
DLVAs, ERDLVAs & DLVAs
DTOs, VCOs, PLO, DROs, & Frequency Synthesizers
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Discriminators & IFMs
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters – RF/Microwave
Log Amplifiers
Millimeter Wave Components (Up to 50 GHz)
Miscellaneous Products
Multifunction Integrated Assemblies (MIAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators (SPST)
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
SDLVAs, ERDLVAs & DLVAs
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switched Filter Banks
Switches – Solid State
Systems - Radar Sense & Avoid
Systems – Fly Eye Radars
Threshold Detectors
USB Products

PMI PRODUCTS

50 MHz to 18.5 GHz DLVA
2.0 to 18.0 GHz SDLVA
18.0 to 40.0 GHz SDLVA
0.5 to 18.0 GHz DC-Coupled DLVA
18.0 to 40.0 GHz DLVA
7 MHz DLVA
315 to 362 MHz SDLVA
0.5 to 2.0 GHz ERDLVA
50 to 90 MHz SDLVA
0.1 to 3.0 GHz SDLVA
0.5 to 2.0 GHz DLVA
0.7 to 1.3 GHz SDLVA
2.5 to 4.9 GHz SDLVA
0.1 to 3.0 GHz SDLVA
0.2 to 2.5 GHz SDLVA

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

2.0 to 18.0 GHz
High Band Direction Finding Module

0.25 to 20.0 GHz
Low Noise Amplifier

0.1 to 18.0 GHz
Integrated Microwave Assembly

30 MHz to 18.0 GHz
Low Noise Amplifier

2.0 to 18.0 GHz
Receiver Front-End IFM Subsystem

1.0 to 40.0 GHz
Portable Amplifier

30 MHz to 26.5 GHz
Low Noise Amplifier

0.5 to 40.0 GHz
Low Noise Amplifier

0.5 to 40.0 GHz
Quad Phase & Amplitude Matched
Millimeter Wave Diplexer-Gain Module

18.0 to 40.0 GHz
Low Noise Amplifier

30 MHz to 18.0 GHz
Low Noise Amplifier

18.0 to 40.0 GHz
Quad Phase & Amplitude Matched
Millimeter Wave Diplexer-Gain Module

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
Couplers (Quadrature, 180° & Directional)
Detectors – RF/Microwave
DLVAs, ERDLVAs & SDLVAs
DTOs, VCOs, PLO, DROs, & Frequency Synthesizers
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Discriminators & IFMs
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators Limiters – RF/Microwave
Log Amplifiers
Millimeter Wave Components (Up to 50 GHz)
Miscellaneous Products
Multifunction Integrated Assemblies (MIAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators (SPST)
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
SDLVAs, ERDLVAs & DLVAs
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switched Filter Banks
Switches – Solid State Systems - Radar Sense & Avoid
Systems – Fly Eye Radars Threshold Detectors
USB Products
PMI PRODUCTS

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

70 MHz Frequency Discriminator

0.5 to 10.0 GHz SP2T Reflective, 10 W Switch

3.1 to 3.5 GHz Frequency Discriminator

6.0 to 18.0 GHz Frequency Discriminator

8.0 to 12.0 GHz SP2T Reflective, 10 W Switch

8.0 to 12.0 GHz SP2T 10 W Switch

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

2 MHz to 18.0 GHz Threshold Detector

50 MHz to 4.0 GHz Threshold Detector

2.0 to 18.0 GHz Threshold Detector

0.2 to 18.0 GHz Threshold Detector

1.0 to 12.0 GHz Threshold Detector

0.5 to 18.0 GHz Threshold Detector

8.0 to 18.0 GHz Threshold Detector

0.4 to 18.0 GHz Threshold Detector

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

- DC to 40.0 GHz SPST Absorptive Switch
- 0.1 to 50.0 GHz SP2T Absorptive Switch
- 0.5 to 40.0 GHz SP3T Absorptive Switch
- 0.5 to 18.0 GHz SP4T 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
- 7.0 to 18.0 GHz SP20T Absorptive Switch
- 0.5 to 18.0 GHz SP32T Absorptive Switch

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 to 6.0 GHz, 2.5 W CW Limiter

0.25 to 35.0 GHz Low Noise Amplifier

10 MHz to 12.0 GHz, +40 dBm CW Limiter

10 MHz to 6.0 GHz Integrated Microwave Assembly

1.0 to 2.0 GHz, 200 W CW Limiter

0.1 to 0.3 GHz Voltage Controlled Attenuator

10 MHz to 17.0 GHz, +40 dBm CW Limiter

50 MHz to 4.0 GHz, 1 W CW Limiter

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
Couplers (Quadrature, 180° & Directional)
Detectors – RF/Microwave
DLVAs, ERDLVAs & SDLVAs
DTOs, VCOs, PLO, DROs, & Frequency Synthesizers
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Discriminators & IFMs
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters – RF/Microwave
Log Amplifiers
Millimeter Wave Components (Up to 50 GHz)
Miscellaneous Products
Multifunction Integrated Assemblies (MIAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators (SPST)
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
SDLVAs, ERDLVAs & DLVAs
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switched Filter Banks
Switches – Solid State
Systems - Radar Sense & Avoid
Systems – Fly Eye Radars
Threshold Detectors
USB Products
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

10 MHz to 6.0 GHz
Integrated Microwave Assembly

2.0 to 18.0 GHz
Suspended High Pass Filter

6.0 to 18.0 GHz
Receiver Front End IFM Subsystem

0.1 to 0.3 GHz
Low Noise Amplifier

2.0 to 18.0 GHz
Direction Finding Receiver Front End

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

0.5 to 1.0 GHz
Bi-Phase Modulator/Shifter

30 MHz to 40.0 GHz
Low Noise Amplifier

DC to 18.0 GHz
Directional Coupler

160 MHz
Linear IF Gain Control Amplifier

2.0 to 18.0 GHz
2-Way Power Divider

60 MHz
Bandpass Filter

0.5 to 18.0 GHz
SP2T Absorptive Switch

Amplifiers – Solid State
Attenuators – Variable/Programmable
Couplers (Quadrature, 180° & Directional)
Detectors – RF/Microwave
DLVs, ERDLVs & SDLVs
DTos, VCos, PLO, DROs, & Frequency Synthesizers
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Discriminators & IFMs
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters – RF/Microwave
Log Amplifiers
Millimeter Wave Components (Up to 50 GHz)
Miscellaneous Products
Multifunction Integrated Assemblies (MIAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators (SPST)
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
SDLVs, ERDLVs & DLVs
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switched Filter Banks
Switches – Solid State
Systems - Radar Sense & Avoid
Systems – Fly Eye Radars
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

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

0.5 to 8.0 GHz
SP2T Reflective, 50 W Switch

0.7 to 1.3 GHz
SP4T Absorptive Switch Module

8.0 to 11.0 GHz
Directional Coupler

0.1 to 8.0 GHz
SP2T Reflective, 50 W Switch

0.1 to 4.0 GHz SDLVA

0.5 to 20.0 GHz
Linear Amplifier Detector Module

140 MHz ± 25 MHz
Detector Preamp Module

Amplifiers – Solid State
Attenuators – Variable/Programmable
Couplers (Quadrature, 180° & Directional)
Detectors – RF/Microwave
DLVAs, ERDLVAs & SDLVAs
DTOs, VCOs, PLO, DROs, & Frequency Synthesizers
Filters & Switched
Filter Banks
Form, Fit, Functional
Products & Services
Frequency Discriminators & IFMs
Integrated MIC/MMIC
Assemblies (IMAs)
IQ Vector Modulators
Limiters – RF/Microwave
Log Amplifiers
Millimeter Wave
Components (Up to 50 GHz)
Miscellaneous Products
Multifunction Integrated Assemblies (MIAs)
Phase Shifters & Bi-Phase
Modulators
Power Dividers/Combiners
(Passive & Active)
Pulse Modulators (SPST)
Rack & Chassis Mount
Products
Receiver Front Ends
& Transceivers
SDLVAs, ERDLVAs & DLVAs
Single Side Band
Modulators
SMT & QFN Products
Switch Matrices
Switched Filter Banks
Switches – Solid State
Systems - Radar Sense & Avoid
Systems – Fly Eye Radars
Threshold Detectors
USB Products
PMI 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

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

DC to 8.0 GHz SP2T Reflective Switch

10 MHz to 50.0 GHz 4 W CW Limiter

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

17.6 to 21.6 GHz
Passive Amplitude Equalizer

17.5 to 21.5 GHz
Passive Amplitude Equalizer

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

17.5 to 21.5 GHz
Passive Amplitude Equalizer

17.6 to 21.6 GHz
Passive Amplitude Equalizer

17.5 to 21.5 GHz
Passive Amplitude Equalizer

17.5 to 21.5 GHz
Passive Amplitude Equalizer

17.6 to 21.6 GHz
Passive Amplitude Equalizer

17.6 to 21.6 GHz
Passive Amplitude Equalizer

17.5 to 21.5 GHz
Passive Amplitude Equalizer

17.5 to 21.5 GHz
Passive Amplitude Equalizer

17.5 to 21.5 GHz
Passive Amplitude Equalizer

55
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%

Rejects  % Accepted
0  100
0  100
0  100

Your Rating
Gold

Amplifiers – Solid State
Attenuators – Variable/Programmable
Couplers (Quadrature, 180° & Directional)
Detectors – RF/Microwave
DLVAs, ERDLVAs & SDLVAs
DToS, VCOs, PLO, DROs, & Frequency Synthesizers
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Discriminators & IFMs
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters – RF/Microwave Log Amplifiers
Millimeter Wave Components (Up to 50 GHz)
Miscellaneous Products
Multifunction Integrated Assemblies (MIAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators (SPST)
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
SDLVAs, ERDLVAs & DLVAs
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switched Filter Banks
Switches – Solid State
Systems - Radar Sense & Avoid
Systems – Fly Eye Radars
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
• 1,000 sq. ft. Class 100,000 ppm Clean Room
• Engineering Department
• Test Department
• Production Officer
• QA/QC Office
• Sales & Marketing
• Executive Offices
• 2 Conference Rooms

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
• High Power Equipment Test Laboratory
• Conference Room
• 600 sq. ft. 10,000 ppm Clean Room
• Machine Shop
• Assembly & Test
• ESS Test Room

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

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

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>NORTHROP GRUMMAN CORPORATION</td>
<td>CABIN FEVER</td>
</tr>
<tr>
<td></td>
<td>CORVAIR</td>
</tr>
<tr>
<td></td>
<td>EA-18G</td>
</tr>
<tr>
<td></td>
<td>ICAP-III</td>
</tr>
<tr>
<td></td>
<td>LR-100</td>
</tr>
<tr>
<td></td>
<td>FALCON EDGE</td>
</tr>
<tr>
<td></td>
<td>ALQ-188</td>
</tr>
<tr>
<td></td>
<td>PDF</td>
</tr>
<tr>
<td></td>
<td>F-15J</td>
</tr>
<tr>
<td></td>
<td>RFCM – AC/MC-130J</td>
</tr>
<tr>
<td></td>
<td>C130J</td>
</tr>
<tr>
<td>BAE SYSTEMS, NH</td>
<td>DEWS, F15 (ANALQ-239)</td>
</tr>
<tr>
<td></td>
<td>EPAWSS, F15 (AN/ALQ-250)</td>
</tr>
<tr>
<td></td>
<td>U2 PROGRAM (AN/ALQ-221)</td>
</tr>
<tr>
<td></td>
<td>KNIGHT PROGRAM</td>
</tr>
<tr>
<td></td>
<td>DARK HORSE</td>
</tr>
<tr>
<td></td>
<td>ALE-55</td>
</tr>
<tr>
<td>MITSUBISHI-MELCO, JAPAN</td>
<td>SUCCESSIVE DETECTION LOG VIDEO AMPLIFIERS (SDLVAs), F-2 / F15</td>
</tr>
<tr>
<td></td>
<td>LIMITERS &amp; SOLID STATE SWITCHES FOR DESTROYER SHIP, TP-1</td>
</tr>
<tr>
<td></td>
<td>(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</td>
</tr>
<tr>
<td></td>
<td>(RWR), UH-X</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)</td>
</tr>
<tr>
<td></td>
<td>16 CHANNEL CUSTOM SWITCH FILTER BANK</td>
</tr>
<tr>
<td>LOCKHEED MARTIN CO, AL</td>
<td>MK92 FIRE CONTROL SYSTEM (FORM, FIT &amp; FUNCTION SPARES)</td>
</tr>
<tr>
<td>ARGONST, VA</td>
<td>RF DISTRIBUTION UNIT</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</td>
</tr>
<tr>
<td></td>
<td>(CRYSTAL VIDEO RECEIVER) MODULE (ALQ-184)</td>
</tr>
</tbody>
</table>
## PROGRAMS

<table>
<thead>
<tr>
<th>CUSTOMER</th>
<th>PROGRAM</th>
</tr>
</thead>
<tbody>
<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)</td>
</tr>
<tr>
<td>RAYTHEON, CA</td>
<td>MARS-1, BRAZILIAN AF</td>
</tr>
<tr>
<td>AIRBUS DEFENCE &amp; SPACE, GERMANY</td>
<td>PEGASUS, CUSTOM IMA, ALQ-184, JAGUAR</td>
</tr>
<tr>
<td>SAAB AB ELECTRONIC DEFENSE SYSTEMS, SWEDEN</td>
<td>CUSTOM SWITCHES</td>
</tr>
<tr>
<td>BHARAT ELECTRONICS, INDIA</td>
<td>CUSTOM AMPLIFIER, JAS 39 GRIPEN</td>
</tr>
<tr>
<td>L3-MICREO, AUSTRALIA</td>
<td>CUSTOM PHASE SHIFTERS &amp; ATTENUATORS</td>
</tr>
<tr>
<td>DEFENCE AVIONICS RESEARCH ESTABLISHMENT (DARE), INDIA</td>
<td>CUSTOM HIGH POWER SWITCHES</td>
</tr>
<tr>
<td>DSO NATIONAL LABORATORIES, SINGAPORE</td>
<td>SDLVAs INTEGRATED LIMITER/ATTENUATOR, AIRBORNE</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>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 LABORATORY, WA</td>
<td>mmW BODY SCANNING SYSTEM</td>
</tr>
<tr>
<td>NCSIST, TAIWAN</td>
<td>EW NAVAL PROJECTS, SDLVas, EW MODULES, SWITCHES, 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 SYSTEM</td>
</tr>
<tr>
<td>MARINA DE GUERRA (Peruvian Navy), PERU</td>
<td>RF COMPONENTS FOR DF SYSTEM</td>
</tr>
<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</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>
</tbody>
</table>

### West Coast Facility:
- **Address:** 4921 Robert J. Mathews Pkwy, Suite 1
  El Dorado Hills, CA 95762 • USA
- **Phone:** 916-542-1401
  [sales@pmi-rf.com](mailto:sales@pmi-rf.com)
  [http://www.pmi-rf.com/about](http://www.pmi-rf.com/about)

### East Coast Facility:
- **Address:** 7311-F Grove Road
  Frederick, MD 21704 • USA
- **Phone:** 301-662-5019

---

**Amplifiers – Solid State**
**Attenuators – Variable/Programmable**
**Couplers (Quadrature, 180° & Directional)**
**Detectors – RF/Microwave**
**DLVAs, ERDLVAs & SDLVAs**
**DTos, VCOs, PLO, DROs, & Frequency Synthesizers**
**Filters & Switched Filter Banks**
**Form, Fit, Functional Products & Services**
**Frequency Discriminators & IFMs**
**Integrated MIC/MMIC Assemblies (IMAs)**
**IQ Vector Modulators**
**Limiters – RF/Microwave**
**Log Amplifiers**
**Millimeter Wave Components (Up to 50 GHz)**
**Miscellaneous Products**
**Multifunction Integrated Assemblies (MIAs)**
**Phase Shifters & Bi-Phase Modulators**
**Power Dividers/Combiners (Passive & Active)**
**Pulse Modulators (SPST)**
**Rack & Chassis Mount Products**
**Receiver Front Ends & Transceivers**
**SDLVas, ERDLVAs & DLVAs**
**Single Side Band Modulators**
**SMT & QFN Products**
**Switch Matrices**
**Switched Filter Banks**
**Switches – Solid State**
**Systems - Radar Sense & Avoid**
**Systems – Fly Eye Radars**
**Threshold Detectors**
**USB Products**
## PROGRAMS

<table>
<thead>
<tr>
<th>CUSTOMER</th>
<th>PROGRAM</th>
</tr>
</thead>
<tbody>
<tr>
<td>L3 HARRIS, CLIFTON NJ</td>
<td>THRESHOLD DETECTORS, ALQ-172 (B-52 &amp; C-130), ALQ-214 (F-18)</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>
<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 SENSORS 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>FOCUS MICROWAVES, CANADA</td>
<td>SWITCHES</td>
</tr>
<tr>
<td>MC COUNTERMEASURES, CANADA</td>
<td>SDLVAs, FREQUENCY DISCRIMINATORS</td>
</tr>
<tr>
<td>REIHNMETALL, ITALY</td>
<td>OSCILLATORS</td>
</tr>
<tr>
<td>BANC3, NJ</td>
<td>CHANNELIZED RECEIVER</td>
</tr>
<tr>
<td>ANARE, NY</td>
<td>NAVAL IMA</td>
</tr>
<tr>
<td>BAE, NY</td>
<td>ALR-56, ALR-67</td>
</tr>
<tr>
<td>HUGHES (RAYTHEON)</td>
<td>EQUALIZERS FOR BLOQ-10, E-2D ALQ-217 &amp; GRIFIN</td>
</tr>
<tr>
<td>LOCKHEED MARTIN, NY</td>
<td>40 GHz AMPLIFIER AND BIAS TEE</td>
</tr>
<tr>
<td>NAVAL RESEARCH LABORATORY (NRL) BLOSSOM POINT RESEARCH FACILITY</td>
<td>ELINT, E2C</td>
</tr>
<tr>
<td>TOSHIBA, JAPAN</td>
<td>CUSTOM THRESHOLD DETECTORS</td>
</tr>
<tr>
<td>TRANSFORMATIONAL SECURITY, MD</td>
<td></td>
</tr>
</tbody>
</table>

### SUPPORT FACILITIES

**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

<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>78.18%</td>
<td>17</td>
<td>UNITED KINGDOM</td>
<td>-</td>
</tr>
<tr>
<td>18</td>
<td>UNITED KINGDOM</td>
<td>-</td>
<td>18</td>
<td>USA</td>
<td>38.60%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>INTERNATIONAL</td>
<td>13.61%</td>
<td></td>
<td></td>
<td>2015 TOTAL:</td>
<td>18</td>
<td>USA</td>
<td>69.40%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>88.39%</td>
<td></td>
<td></td>
<td>2015 TOTAL:</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2014 TOTAL: 100.00%

Confidential and Proprietary

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

62
# Orders Booked Statistics by Country 2017 through 2019

<table>
<thead>
<tr>
<th></th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO.</td>
<td>COUNTRY</td>
<td>% OF ORDERS BOOKED</td>
<td>NO.</td>
</tr>
<tr>
<td>1</td>
<td>AUSTRALIA</td>
<td>-</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>CANADA</td>
<td>-</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>CHINA</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>4</td>
<td>FRANCE</td>
<td>-</td>
<td>4</td>
</tr>
<tr>
<td>5</td>
<td>GERMANY</td>
<td>-</td>
<td>5</td>
</tr>
<tr>
<td>6</td>
<td>HONG KONG</td>
<td>-</td>
<td>6</td>
</tr>
<tr>
<td>7</td>
<td>HUNGARY</td>
<td>-</td>
<td>7</td>
</tr>
<tr>
<td>8</td>
<td>INDIA</td>
<td>-</td>
<td>8</td>
</tr>
<tr>
<td>9</td>
<td>INDONESIA</td>
<td>-</td>
<td>9</td>
</tr>
<tr>
<td>10</td>
<td>ISRAEL</td>
<td>-</td>
<td>10</td>
</tr>
<tr>
<td>11</td>
<td>ITALY</td>
<td>-</td>
<td>11</td>
</tr>
<tr>
<td>12</td>
<td>JAPAN</td>
<td>-</td>
<td>12</td>
</tr>
<tr>
<td>13</td>
<td>NETHERLANDS</td>
<td>-</td>
<td>13</td>
</tr>
<tr>
<td>14</td>
<td>PAKISTAN</td>
<td>-</td>
<td>14</td>
</tr>
<tr>
<td>15</td>
<td>SERBIA</td>
<td>-</td>
<td>15</td>
</tr>
<tr>
<td>16</td>
<td>SINGAPORE</td>
<td>-</td>
<td>16</td>
</tr>
<tr>
<td>17</td>
<td>S KOREA</td>
<td>-</td>
<td>17</td>
</tr>
<tr>
<td>18</td>
<td>SPAIN</td>
<td>-</td>
<td>18</td>
</tr>
<tr>
<td>19</td>
<td>SWEDEN</td>
<td>-</td>
<td>19</td>
</tr>
<tr>
<td>20</td>
<td>TAIWAN</td>
<td>-</td>
<td>20</td>
</tr>
<tr>
<td>21</td>
<td>TURKEY</td>
<td>-</td>
<td>21</td>
</tr>
<tr>
<td>22</td>
<td>UNITED ARAB EMIRATES</td>
<td>-</td>
<td>22</td>
</tr>
<tr>
<td>23</td>
<td>UNITED KINGDOM</td>
<td>-</td>
<td>23</td>
</tr>
<tr>
<td>24</td>
<td>USA</td>
<td>63.95%</td>
<td>24</td>
</tr>
</tbody>
</table>

**2017 TOTAL:** 100.00%  
**2018 TOTAL:** 100.00%  
**2019 TOTAL:** 100.00%
PMI EAST 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
Couplers (Quadrature, 180° & Directional)
Detectors – RF/Microwave
DLVAs, ERDLVAs & SDLVAs
DTOs, VCOs, PLO, DROs, & Frequency Synthesizers
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Discriminators & IFMs
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiter – RF/Microwave
Log Amplifiers
Millimeter Wave Components (Up to 50 GHz)
Miscellaneous Products
Multifunction Integrated Assemblies (MIAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators (SPST)
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
SDLVAs, ERDLVAs & DLVAs
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switched Filter Banks
Switches – Solid State Systems - Radar Sense & Avoid
Systems – Fly Eye Radars Threshold Detectors
USB Products
PMI EAST COAST OPERATIONS

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 EAST COAST OPERATIONS

Amplifiers – Solid State
Attenuators – Variable/Programmable
Couplers (Quadrature, 180° & Directional)
Detectors – RF/Microwave
DLVAs, ERDLVAs & SDLVAs
DTos, VCos, PLO, DROs, & Frequency Synthesizers
Filters & Switched
Filter Banks
Form, Fit, Functional
Products & Services
Frequency Discriminators & IFMs
Integrated MIC/MMIC
Assemblies (IMAs)
IQ Vector Modulators
Limiters – RF/Microwave
Log Amplifiers
Millimeter Wave
Components (Up to 50 GHz)
Miscellaneous Products
Multifunction Integrated
Assemblies (MIAs)
Phase Shifters & Bi-Phase
Modulators
Power Dividers/Combiners
(Passive & Active)
Pulse Modulators (SPST)
Receiver Front Ends & Transceivers
SDLVAs, ERDLVAs & DLVAs
Single Side Band
Modulators
SMT & QFN Products
Switch Matrices
Switched Filter Banks
Switches – Solid State
Systems - Radar Sense & Avoid
Systems – Fly Eye Radars
Threshold Detectors
USB Products

Keysight 50 GHz PNA
2.0 to 18.0 GHz
200 W CW TWT Amplifiers

SSPA 10 MHz to 2.0 GHz, 100 W CW

20 W Fiber Laser

sales@pmi-rf.com
http://www.pmi-rf.com/about
Amplifiers – Solid State
Attenuators – Variable/Programmable
Couplers (Quadrature, 180° & Directional)
Detectors – RF/Microwave
DLVAs, ERDLVAs & SDLVAs
DTOs, VCOs, PLO, DROs, & Frequency Synthesizers
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Discriminators & IFMs
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters – RF/Microwave
Log Amplifiers
Millimeter Wave Components (Up to 50 GHz)
Miscellaneous Products
Multifunction Integrated Assemblies (MIAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators (SPST)
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
SDLVAs, ERDLVAs & DLVAs
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switched Filter Banks
Switches – Solid State
Systems - Radar Sense & Avoid
Systems – Fire Eye Radars
Threshold Detectors
USB Products

PMI EAST 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

Random Vibration

Shock Testing

Hermetic Package Testing

Thermal Shock
PMI EAST 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

HAAS DT1 CNC Milling Machine
PMI EAST COAST OPERATIONS

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

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
Couplers (Quadrature, 180° & Directional)
Detectors – RF/Microwave
DLVAs, ERDLVAs & SDLVAs
DOTs, VCOs, PLO, DROs, & Frequency Synthesizers
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Discriminators & IFMs
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters – RF/Microwave
Log Amplifiers
Millimeter Wave Components
(Up to 50 GHz)
Miscellaneous Products
Multifunction Integrated Assemblies (MIAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators (SPST)
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
SDLVAs, ERDLVAs & DLVAs
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switched Filter Banks
Switches – Solid State
Systems - Radar Sense & Avoid
Systems – Fly Eye Radars
Threshold Detectors
USB Products
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

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

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)

Oscilloscopes:
- (1) Tektronix TDS210
- (1) Tektronix TDS2024C
- (1) Agilent DS06034A
- (1) Keysight DSO80204B
- (1) Keysight DSOS204A
- (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

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
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 747677E-79 Convertible Wire Bonder
- (1) Westbond 7476E-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
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
Couplers (Quadrature, 180° & Directional)
Detectors – RF/Microwave
DLVAs, ERDLVAs & SDLVAs
DTos, VCos, PLO, DROs, & Frequency Synthesizers
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Discriminators & IFMs
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters – RF/Microwave
Log Amplifiers
Millimeter Wave Components (Up to 50 GHz)
Miscellaneous Products
Multifunction Integrated Assemblies (MIAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators (SPST)
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
SDLVAs, ERDLVAs & DLVAs
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switched Filter Banks
Switches – Solid State
Systems – Radar Sense & Avoid
Systems – Fly Eye Radars
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
Couplers (Quadrature, 180° & Directional)
Detectors – RF/Microwave
DLVAs, ERDLVAs & SDLVs
DTos, VCos, PLO, DROs, & Frequency Synthesizers
Filters & Switched
Filter Banks
Form, Fit, Functional
Products & Services
Frequency Discriminators & IFMs
Integrated MIC/MMIC
Assemblies (IMAs)
IQ Vector Modulators
Limiters – RF/Microwave
Log Amplifiers
Millimeter Wave
Components (Up to 50 GHz)
Miscellaneous Products
Multifunction Integrated Assemblies (MIAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators (SPST)
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
SDLVs, ERDLVAs & DLVAs
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switched Filter Banks
Switches – Solid State
Systems - Radar Sense & Avoid
Systems – Fly Eye Radars
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
Couplers (Quadrature, 180° & Directional)
Detectors – RF/Microwave
DLVAs, ERDLVAs & SDLVAs
DTOs, VCOs, PLO, DROs, & Frequency Synthesizers
Filters & Switched
Filter Banks
Form, Fit, Functional
Products & Services
Frequency Discriminators & IFMs
Integrated MIC/MMIC
Assemblies (IMAs)
IQ Vector Modulators
Limiters – RF/Microwave
Log Amplifiers
Millimeter Wave
Components (Up to 50 GHz)
Miscellaneous Products
Multifunction Integrated
Assemblies (MIAs)
Phase Shifters & Bi-Phase
Modulators
Power Dividers/Combines
(Passive & Active)
Pulse Modulators (SPST)
Rack & Chassis Mount
Products
Receiver Front Ends & Transceivers
SDLVAs, ERDLVAs & DLVAs
Single Side Band
Modulators
SMT & QFN Products
Switch Matrices
Switched Filter Banks
Switches – Solid State
Systems - Radar Sense & Avoid
Systems – Fly Eye Radars
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
Couplers (Quadrature, 180° & Directional)
Detectors – RF/Microwave
DLVAs, ERDLVAs & SDLVAs
DTOs, VCOs, PLO, DROs, & Frequency Synthesizers
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Discriminators & IFMs
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters – RF/Microwave
Log Amplifiers
Millimeter Wave Components (Up to 50 GHz)
Miscellaneous Products
Multifunction Integrated Assemblies (MIAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators (SPST)
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
SDLVAs, ERDLVAs & DLVAs
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switched Filter Banks
Switches – Solid State
Systems - Radar Sense & Avoid
Systems – Fly Eye Radars
Threshold Detectors
USB Products
PMI West Coast Operations

HAAS DT1 CNC Milling Machine

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

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
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) Infinium Digital Scope & Probe
- (1) Keysight MSO-X-305A 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/Parl 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 Bonder
- (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

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
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
- 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
International Traffic in Arms Regulations

ITAR

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

**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

United States Department of State
Bureau of Political-Military Affairs
Directorate of Defense Trade Controls
Washington, D.C. 20522-0112

REGISTRANT CODE: M16913
EXPIRATION DATE: 8/31/2021

Reference: Manufacturer/Exporter Registration Statement and Fee Submission

Dear SEBASTIAN PALACIO,

The Office of Defense Trade Controls Compliance received your registration statement and fee to register as a manufacturer and exporter. We have reviewed your registration statement and your registration code is M16913, which expires on 8/31/2021.

Any person who engages in the business of either manufacturing or exporting defense articles or furnishing defense services is required to register and keep that registration current with this office pursuant to the Arms Export Control Act (AECA) and the International Traffic in Arms Regulations (ITAR Part 122). Registration serves as a precondition to submitting an application for an export license or other approval from the Directorate of Defense Trade Controls (DDTC), or to use export exemptions. This registration does not satisfy the requirements for registering as a broker pursuant to ITAR Part 129.

As you are the senior officer empowered to sign the registration statement, we ask you to maintain records consistent with ITAR Section 122.5 regarding: 1) the key senior officer listed on the registration who will oversee the compliance program and be responsible for designating the direct employees who will serve as “empowered officials” at their place of employment, and 2) a list of qualified direct employees who will serve as “empowered officials” by name, position, business unit, phone and fax numbers and email addresses. Please note that third parties (individuals who are not direct employees, such as consultants, subcontractors or outside counsel, for example) cannot serve as “empowered officials.”

ITAR Section 122.5 requires you to maintain records concerning your registration and the manufacture, acquisition and disposition of defense articles; the provision of defense services; and information on political contributions, fees, or communications furnished or obtained, as required by ITAR Part 130. Records maintained shall be available at all times for inspection and copying by this office or by Customs officials. To maintain such records, managers, supervisors and employees need appropriate training on AECA and ITAR requirements and must understand the individual and organizational ramifications of failure to comply. Ramifications may include shipment delay and/or shipment seizure by Customs and Border Protection, loss of export privileges, or criminal charges.

You may refer to the DDTC website for a Compliance Guide at http://www.pmddtc.state.gov and then click on the ITAR Compliance tab, next click on How to file tab. The DDTC website also includes a copy of the ITAR, explanations of export licensing procedures, how to submit a license.
International Quality Registrars (IQR) Corporation

5216 Oracleman Ctr., Suite 103
Frederick, Maryland 21703
(301) 969-9740 Office
(301) 826-3709 Fax
www.IQRCORP.COM

ISO 9001:2015
Quality Management System - Requirements
The organization’s QMS has been evaluated according to the International Quality Registrars (IQR) Corporation QMS certification scheme for the following scope:

“Design, Development and Manufacture of Microwave Frequency Components, Sub-Systems and Systems, and Contract Manufacturing Services”

Exclusions: None

This QMS certification is subject to periodic audits by International Quality Registrars (IQR) Corporation

Registration No.: 18-120804-1Q
Last Cert. Revision Date: 09/17/18
Client ID: PM109
Initial Cert. Issue Date: 02/24/09
Cert. Expiration Date: 09/17/2021
Cert. Issued Date: 09/17/18

IQR QMS Certification Signature

FORM IQR-2510 Rev. A

FORM IQR-2503 Rev. C

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

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

84
PMI WEST COAST ORGANIZATION CHART

Carol K Mahoney
Management & HR Advisor

Accounting Department

Engineering Consultants

John Merriner
Vice President & Director Of RF/Microwave Log Video Products

Dr. Ashok Gorwara
President & CEO
Director Of Engineering

Helen Steinhaus
Executive Vice President

Sebastian Palacio
Vice President
Director Of Sales & Marketing/Principal Applications Engineer FSO/Export Compliance

Dan Soliday
CPA & Business Advisor

Dr. Al Grayzel
Management Advisor & Consulting Scientist

Marvin Szymkowitz
Dave Woosley
Stephen Burgoon
Legal Counsel

Edd Benson
Director Of Manufacturing

QA Inspector
Production Test Lab
Assembly
Inventory Control
Shipping & Receiving
Machine Shop/Design & Drafting
PPIC

John Merriner
Vice President & Director Of RF/Microwave Log Video Products

Jason Peacher
QA/QC Manager/Assistant FSO

Corporate
Advisors/Consultants
Engineering
Director of Manufacturing
Manufacturing Assemblers
Engineering Assemblers
Manufacturing Technicians
Machine Shop
Quality Assurance/Quality Control
PPIC
Inventory Control

TOTAL

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
Couplers (Quadrature, 180° & Directional)
Detectors – RF/Microwave
DLVAs, ERDLVAs & SDLVAs
DTOs, VCOs, PLO, DROs, & Frequency Synthesizers
Filters & Switched Filter Banks
Form, Fit, Functional Products & Services
Frequency Discriminators & IFMs
Integrated MIC/MMIC Assemblies (IMAs)
IQ Vector Modulators
Limiters – RF/Microwave
Log Amplifiers
Millimeter Wave Components (Up to 50 GHz)
Miscellaneous Products
Multifunction Integrated Assemblies (MIAs)
Phase Shifters & Bi-Phase Modulators
Power Dividers/Combiners (Passive & Active)
Pulse Modulators (SPST)
Rack & Chassis Mount Products
Receiver Front Ends & Transceivers
SDLVAs, ERDLVAs & DLVAs
Single Side Band Modulators
SMT & QFN Products
Switch Matrices
Switched Filter Banks
Switches – Solid State
Systems - Radar Sense & Avoid
Systems – Fly Eye Radars
Threshold Detectors
USB Products