New Products Released & Product Updates by PLANAR MONOLITHICS INDUSTRIES, INC (PMI) on April 15, 2015

New Products

Switches (Solid State)

- **1.0** P4T-500M18G-80-T-515-SFF-2W-IND: 0.5 to 18.0GHz, Single Pole, Four Throw, Absorptive 2 Watt Switch
- **2.0** P2T-500M18G-80-T-515-SFF-4W: 0.5 to 18.0GHz, Single Pole, Two Throw, Absorptive, Pin Diode Switch
- **3.0** P4T-500M18G-80-T-SFF-IND-1: 0.5 to 18.0GHz, Single Pole, Four Throw, Absorptive 4 Watt Switch
- **4.0** P1T-DC40G-65-T-292FF-1NS-OPT18G: DC to 18.0GHz, Single Pole, Single Throw, Absorptive, FET Switch

Attenuators (Solid State)

- **5.0** DTA-500M2G-64-10B-SFF: 0.5 to 2.0GHz, 10-Bit Programmable 64dB Pin Diode Attenuator
- **6.0** DTA-2G18G-64-10B-SFF: 22.0 to 18.0GHz, 10-Bit Programmable 64dB Pin Diode Attenuator

Hard Limiting Amplifiers
Product Updates

- **7.0 PEC2-2G18G-80DB-21DBM-LM-SFF**: 2.0 to 18.0GHz, Limiting Amplifier
- **8.0 PEC2-1G18G-60-9DBM-LM-SFF**: 1.0 to 18.0GHz, RF Module

New Product Listings

1.0: **0.5 to 18.0GHz, Single Pole, Four Throw, Absorptive Switch**

**PMI Model No. P4T-500M18G-80-T-515-SFF-2W-IND**

PMI Model No. P4T-500M18G-80-T-515-SFF-2W-IND is a Single Pole, Four Throw, Absorptive Switch. This switch offers 80dB of isolation and a maximum insertion loss of 6.0dB. It has a maximum switching speed of 200ns with individual TTL control. The operating power is +33dBm CW max and the VSWR is 2.0:1 maximum.

Please Click PMI Website Link,

2.0: **0.5 to 18.0GHz Absorptive, Single Pole, Two Throw, 4- Watt Solid-State**

**PMI Model No. P2T-500M18G-80-T-515-SFF-4W**

PMI Model No. P2T-500M18G-80-T-515-SFF-4W is a 4 Watt, Absorptive, Single Pole, Two Throw, Pin Diode Switch that operates over the 0.5 to 18.0GHz frequency range. This model
incorporates a TTL compatible driver for easy system integration.

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/Switches/P2T-500M18G-80-T-515-SFF-4W.htm

3.0: 0.5 to 18.0GHz Single Pole, Four Throw, Absorptive Switch

PMI Model No. P4T-500M18G-80-T-SFF-IND-1

PMI Model No. P4T-500M18G-80-T-SFF-IND-1 is a 0.5 to 18.0GHz, single pole, four throw, absorptive switch. This switch offers 80dB of port to port isolation and a maximum insertion loss of 3.75dB. It has a switching speed of 25ns and is independently TTL controlled. The operating power is +20dBm CW and it has a maximum VSWR of 2.0:1

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/Switches/P4T-500M18G-80-T-SFF-IND.htm

4.0: DC to 18.0GHz Absorptive, Single Pole, Single Throw, FET Switch

PMI Model No. P1T-DC40G-65-T-292FF-1NS-OPT18G

PMI Model No. P1T-DC40G-65-T-292FF-1NS-OPT18G is a High Speed, Absorptive, Single Pole, Single Throw, FET switch that operates from DC to 18.0GHz. This model offers 60dB isolation with rise and fall times of 2nsec typical and delay on/off speeds of 6nsec typical.

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/Switches/P1T-DC40G-65-T-292FF-1NS-OPT18G.htm

5.0: 0.5 to 2.0GHz, 10-Bit Programmable 64dB Pin Diode Attenuator
PMI Model No. DTA-500M2G-64-10B-SFF

PMI Model No. DTA-500M2G-64-10B-SFF is a 10-Bit programmable 64dB pin diode attenuator with step resolution as low as 0.06dB over the frequency range of 0.5 to 2.0GHz.

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/attenuators/DTA-500M2G-64-10B-SFF.htm

6.0: 2.0 to 18.0GHz, 10-Bit Programmable 64dB Pin Diode Attenuator

PMI Model No. DTA-2G18G-64-10B-SFF

PMI Model No. DTA-2G18G-64-10B-SFF is a 10-Bit programmable 64dB pin diode attenuator with step resolution as low as 0.06dB over the frequency range of 2.0 to 18.0GHz.

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/attenuators/DTA-2G18G-64-10B-SFF.htm

7.0: P2.0 to 18.0GHz Limiting Amplifier

PMI Model No. PEC2-2G18G-80DB-21DBM-LM-SFF

PMI Model No. PEC2-2G18G-80DB-21DBM-LM-SFF is a 2.0 to 18.0GHz, limiting amplifier that provides a limited output power level of +21dBm to +25dBm for an input power range of -55 to +10dBm CW. This model has output power level versus frequency compensation such that the limited output power has a flat frequency response. This unit is supplied with SMA(F) connectors in a small housing measuring only 2.98" x 0.78" x 0.26".

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/amplifiers/PEC2-2G18G-80DB-21DBM-LM-SFF.htm

8.0: 1.0 to 18.0GHz, Integrated RF Module
PMI Model No. PEC2-1G18G-60-9DBM-LM-SFF

PMI Model No. PEC2-1G18G-60-9DBM-LM-SFF is an integrated RF module that contains an input limiter, limiting amplifier and output fixed attenuator which is designed for Military and Industrial applications where a stable, limited output level is required. This module is supplied in a SMA connectorized housing. [Other frequency ranges and limited output levels available.]

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/amplifiers/PEC2-1G18G-60-9DBM-LM-SFF.htm

Product Updates

9.0: 30MHz Frequency Discriminator

PMI Model No. FD-30M-6M-1515

PMI Model No. FD-30M-6M-1515 is a frequency discriminator that operates at a center frequency of 30MHz. It has a peak to peak bandwidth of 10MHz and a linear bandwidth of 6MHz minimum with a dynamic range of -10 to 0dBm. The sensitivity into a 50 Ohms load is 1000mV/MHz. This unit offers a maximum rise time of 120nsec.

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/discriminator/FD-30M-6M-1515.htm

10.0: 750MHz to 1250MHz Successive Detection Log Video Amplifier (SDLVA)

PMI Model No. SDLVA-0120-70-CONDOR

PMI Model No.: SDLVA-0120-70-CONDOR is a Successive Detection Log Video Amplifier (SDLVA) that operates between the 750 to 12250MHz Frequency Range. It has a dynamic...
range of 70 dB minimum and a TSS of -65 dBm. Furthermore, it has been designed using cutting edge GaAs technology which provides stunning performance and reliability in a compact package making it an optimum solution for high speed channelized receiver applications. This unit offers a maximum fast rise time of <25 nsec and a rapid fall time of <30 nsec.

Please Click PMI Website Link,  
http://www.pmi-rf.com/Products/SDLVA/SDLVA-0120-70-CONDOR-1.htm

11.0: 0.1 to 18.0GHz, 50dB Gain, Integrated Microwave Assembly

PMI Model No. PEC-50-0R118-6R5-18-120VAC-1U-SFF

PMI Model number PEC-50-0R118-6R5-18-120VAC-1U-SFF is an integrated microwave assembly that provides high gain and operates from 100MHz to 18.0GHz. This unit features integrated digitally controlled attenuators with ranges up to 60dB and is controlled via an optical encoded knob on the front panel or via RS-232.

Please Click PMI Website Link,  
http://www.pmi-rf.com/Products/rackchassismount/PEC-50-0R118-6R5-18-120VAC-1U-SFF.htm

DC to 40GHz Components, Modules, and Sub-Systems

PMI offers just about any RF/Microwave component, module, or sub-system for both industrial and military based requirements. Please click on the product types below to be directed to our web site catalog. Components and modules can be modified to meet your exact requirement.  
(Click on links below to be directed to the web listings)

Low Noise Amplifiers  
Threshold Detectors  
Filters and Switch Filter Banks  
Dielectric Resonator Oscillators  
I/Q Vector Modulators  
Frequency Synthesizers  
Diode Detectors  
Digital Attenuators  
Digitally Tuned Oscillator
Frequency Discriminators  
I/Q Vector Modulators  
Limiters  
Multifunction Integrated Assemblies  
Phase Shifters  
Power Dividers/Combiners  
Quadrature Couplers  
SDLVA’s  
Switch Matrices  
DLVA/ERDLVA  
Receiver Front Ends  
SMT and QFN Packaging  
Rack Mount and Chassis Products  
Solid-State Products  
Switchable Low-Noise LNA's  
OEM & Obsolete Parts Support  
In-Stock items that ship the same day!!
We truly value your interest in our company and our products. We appreciate your feedback. Please feel free to contact us with any requirements or questions that you may have.

Sincerely,

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