New Products Released/ Products Updated by PLANAR MONOLITHICS INDUSTRIES, INC (PMI) on February 5, 2014

New Products

- 1.0 P2T-500M18G-50-T-SFF-I: 0.5 to 18.0GHz, Terminated, SPDT Switch
- 2.0 P4T-2G18G-60-T-512-SFF-LV: 2.0 to 18.0GHz, Absorptive, Low Video Transient, SP4T Switch
- 3.0 P8T-100M40G-85-T-512-292FF: 0.1 to 40.0GHz, High Speed, SP8T, Absorptive Switch
- 4.0 TD-2G18G-RL-CD-SFF: 2.0 to 18.0GHz, High Speed, Threshold Detector

Updated Product Pages

- 5.0 LM-6D7G7D9G-30W-SFF: 6.7 to 7.9GHz, 30 Watt, RF Limiter
- 6.0 PDVAT-0518-60-8-96: 0.5 to 18GHz, 8 Bit, Variable Attenuator/Modulator
- 7.0 TD-3D8G4D6G-CD-SMF: 3.8 to 4.6GHz, High Speed Threshold Detector

New Product Listings

1.0: 0.5 to 18.0GHz, Terminated, SPDT Switch

PMI Model No. P2T-500M18G-50-T-SFF-I

PMI Model No. P2T-500M18G-50-T-SFF-I is a terminated, single pole, two throw switch that operates over the frequency range of 0.5 to 18.0GHz. This model handles +23dBm CW input power with port to port isolation of 50dB min. It has a low insertion loss of 2.8dB max while still
offering a fast switching speed of 50nsec max. The unit is supplied with SMA Female connectors in a housing measuring 1.0" x 1.0" x 0.5".

Please Click PMI Website Link, http://www.pmi-rf.com/Products/Switches/P2T-500M18G-50-T-SFF-I.htm

2.0: 2.0 to 18.0GHz, Absorptive, Low Video Transient, SP4T Switch

![PMI Model No. P4T-2G18G-60-T-512-SFF-LV](image)

PMI Model No. P4T-2G18G-60-T-512-SFF-LV is a 2.0 to 18.0GHz, single pole, four throw, absorptive, low video transient switch. This model offers 60dB of port to port isolation and a maximum insertion loss of 3.2dB. It has a switching speed of 50ns max and is independently TTL controlled with an operating power of +23dBm CW and a VSWR of 2.0:1. This unit is supplied with Passive Stainless Steel, SMA(F) connectors in a hermetically sealed housing that measures 2.0" x 1.0" x 0.4".

Please Click PMI Website Link, http://www.pmi-rf.com/Products/Switches/P4T-2G18G-60-T-512-SFF-LV.htm

3.0: 0.1 to 40.0GHz, High Speed, SP8T, Absorptive Switch

![PMI Model No. P8T-100M40G-85-T-512-292FF](image)

PMI Model No. P8T-100M40G-85-T-512-292FF is a 1.0 to 18.0GHz, low noise amplifier that provides 15dB typical gain, a typical noise figure of 4.5dB and offers an OP1dB of 20dB min. The operating voltage is +12 to +15 VDC and the max current draw is 225mA. The unit is supplied with removable SMA(F) connectors in our standard PE2 housing.

Please Click PMI Website Link, http://www.pmi-rf.com/Products/Switches/P8T-100M40G-85-T-512-292FF.htm

4.0: 2.0 to 18.0GHz, High Speed, Threshold Detector
PMI Model No. TD-2G18G-RL-CD-SFF

PMI Model No. TD-2G18G-RL-CD-SFF is a high speed threshold detector designed to operate over the 2.0 to 18.0GHz frequency range with an adjustable threshold level of -30 to -10dBm and a VSWR of 3.0:1 max. This unit is supplied with field removable SMA Female connectors in a small package measuring 1.1" x 0.6" X 0.19".

Please Click PMI Website Link, http://www.pmi-rf.com/Products/detectors/TD-2G18G-RL-CD-SFF.htm

Product Page Updates

5.0: 6.7 to 7.9GHz, 30 Watt, RF Limiter

PMI Model No. LM-6D7G7D9G-30W-SFF

PMI Model LM-6D7G7D9G-30W-SFF is a RF limiter that operates in the 6.7 to 7.9GHz frequency range. This limiter can handle 30 watts CW input power and provides a maximum leakage of +18dBm. This model has a low insertion loss of 1.1dB maximum and a recovery time of 10usec maximum. This limiters is supplied with SMA female connectors and the package measures 1.0" x 0.65" x 0.38" which is gold plated.

Please Click PMI Website Link, http://www.pmi-rf.com/Products/limiters/LM-6D7G7D9G-30W-SFF.htm

6.0: 0.5 to 18GHz, 8 Bit, Variable Attenuator/Modulator

PMI Model No. PDVAT-0518-60-8-96

PMI Model PDVAT-0518-60-8-96 is a 8-Bit programmable 60dB PIN diode attenuator with a step resolution as low as 0.25dB over the frequency range of 500MHz to 18.0GHz. This model offers
excellent attenuation accuracy and flatness over the entire 500MHz to 18.0GHz frequency range. This model operates on a single +12VDC to +15VDC supply.

Please Click PMI Website Link, http://www.pmi-rf.com/Products/attenuators/PDVAT-0518-60-8-96.htm

7.0: 3.8 to 4.6GHz, High Speed Threshold Detector

PMM Model No. TD-3D8G4D6G-CD-SMF

PMM Model No. TD-3D8G4D6G-CD-SMF is a high speed threshold detector designed to operate over the 3.8 to 4.6GHz frequency range. It has an external adjustment to vary the threshold level from -20dBm to 0dBm and a typical VSWR of 2.6:1. The unit is supplied with removable SMA(M-In/F-Out) connectors in a housing that measures 0.85" x 0.63" x 0.20".


DC to 40GHz Components, Modules, and Systems

PMM offers just about any RF/Microwave component, module, or system for both commercial 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 & Switch Filter Banks
- Dielectric Resonator Oscillators
- I/Q Vector Modulators
- Frequency Synthesizers
We truly value your interest in our companies 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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