New Products Released & Product Updates by PLANAR MONOLITHICS INDUSTRIES, INC (PMI) on November 21, 2014

New Products

- **1.0** [DTA-2G18G-60-CD-2-OPT-1G18G-2](#) : 1.0 to 18.0GHz, 10-Bit Programmable Attenuator
- **2.0** [P2T-500M18G-USB](#) : 0.5 to 18.0GHz, USB Controlled SPDT, Absorptive Switch
- **3.0** [PVVAN-6012-60-MP](#) : 6.0 to 12.0GHz, Analog Controlled, 60dB Pin Diode Attenuator
- **4.0** [SDLVA-2D5G4D9G-60-50MV](#) : 2.5 to 4.9GHz, SDLVA with a Dynamic Range of -60 to 0dBm
- **5.0** [SDLVA-0R61R1-65-CD-SFF-2](#) : 0.6 to 1.1GHz, SDLVA with a maximum TSS of -68dB
- **6.0** [LM-2G8G-13-5W-SFF](#) : 2.0 to 8.0GHz, High Power Limiter
- **7.0** [MPM-1002](#) : 8.0 to 18.0GHz, Pulse Modulator
- **8.0** [GMTA-1002](#) : 2.0 to 18.0GHz, Threshold Detector with a minimum threshold level of -23dB
- **9.0** [GMTA-1003](#) : 8.0 to 18.0GHz, Threshold Detector with a threshold level of -42dB
- **10.0** [P2T-100M40G-110-T-512-292FF](#) : 0.1 to 40.0GHz, SP2T Absorptive Switch
- **11.0** [DTA-18G40G-30-CD-1](#) : 18.0 to 40.0GHz, 10-Bit Programmable 30dB Pin Diode Attenuator

Product Updates

- **12.0** [SDLVA-500M4G-CD-1](#) : 0.5 to 4.0GHz, SDLVA with a Dynamic Range of 70dB
New Product Listings

1.0: 1.0 to 18.0GHz, 10-Bit Programmable Attenuator

PMI Model No. DTA-2G18G-60-CD-2-OPT-1G18G-2 is a non-reflective, 10 BIT, programmable 60dB, pin diode attenuator with step resolution as low as 0.06dB over the frequency range of 1.0 to 18.0GHz. This model is offered in a slim line housing measuring only 0.5" H.

Please Click PMI Website Link,

2.0: 0.5 to 18.0GHz, USB Controlled SPDT, Absorptive Switch

PMI Model No. P2T-500M18G-USB

PMI Model No.P2T-500M18G-USB is a state-of-the-art SPDT, Absorptive switch that operates from 500MHz to 18GHz. This switch is powered and controlled via USB 2.0. This model offers low insertion loss of 6.0dB maximum and a minimum isolation of 60dB. The package size is 2.25" x 1.0" x 0.33".

Please Click PMI Website Link,
http://www.pmi-rf.com/products/USB/P2T-500M18G-USB.htm

3.0: 6.0 to 12.0GHz, Analog Controlled, 60dB Pin Diode Attenuator
PMI Model No. PVVAN-6012-60-MP

PMI Model No. PVVAN-6012-60-MP is an analog controlled 60dB PIN diode attenuator operating over the frequency range of 6.0 to 12.0GHz. This model has 2.8dB maximum insertion loss with a typical switching speed of 75nsec. The unit operates from a single +12 to +15VDC supply. The housing measures 2.0" x 1.8" x 0.5".

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/attenuators/PVVAN-6012-60-MP.htm

4.0: 2.5 to 4.9GHz, SDLVA with a Dynamic Range of -60 to 0dBm

PMI Model No. SDLVA-2D5G4D9G-60-50MV

PMI Model No. SDLVA-2D5G4D9G-60-50MV is a successive detection log video amplifier operating over the frequency range of 2.5 to 4.9GHz. It has a dynamic range of -60 to 0dBm and a log slope of 50.5 ±5% mV/dB. The unit has input power handling of +20dBm CW max with a duty cycle of 0 to 100%.

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/SDLVA/SDLVA-2D5G4D9G-60-50MV.htm

5.0: 0.6 to 1.1GHz, SDLVA with a maximum TSS of -68dB

PMI Model No. SDLVA-0R61R1-65-CD-SFF-2

PMI Model No SDLVA-0R61R1-65-CD-SFF-2 is a Successive Detection Logarithmic Video Amplifier (SDLVA) designed to operate over the 600MHz to 1.1GHz frequency range. This model offers a limited RF output of 0 to +5dBm with an input of -60dBm. This model is designed for ultra high speed applications while maintaining flatness and accuracy.
6.0: **2.0 to 8.0GHz, High Power Limiter**

PMI Model No. LM-2G8G-13-5W-SFF

PMI Model No. LM-2G8G-13-5W-SFF is a high power limiter that operates from 2.0GHz to 8.0GHz. This limiter handles 5 Watts CW input power while the insertion loss is only 1.0dB typically and has a VSWR of 2.0:1 maximum. This model offers an ultra-fast recovery time of 40nsec maximum and is supplied in a small housing measuring only 1.0" x 1.0" x 0.4".

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/limiters/LM-2G8G-13-5W-SFF.htm

7.0: **8.0 to 18.0GHz, Pulse Modulator**

PMI Model No. MPM-1002

PMI Model No. MPM-1002 is a Pulse Modulator that operates from 8.0 to 18.0Ghz and has a maximum insertion loss of 2.5dB. This unit has a maximum input VSWR of 2.0:1 at 50 Ohms and RF input power handling of 0.5 Watts minimum. It is supplied with SMA(F) RF connectors in and out and SMC control connectors in a housing that measures 1.83" x 1.53" x 0.41"

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/Switches/MPM-1002.htm

8.0: **2.0 to 18.0GHz, Threshold Detector with a minimum threshold level of -23dB**
PMI Model No. GMTA-1002

PMI Model No. GMTA-1002 is a threshold detector designed to operate over the frequency range of 2.0 to 18.0GHz. It has a threshold level of -23dBm with threshold stability of +/-3.0dBm over frequency and temperature.

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/detectors/GMTA-1002.htm

9.0: 8.0 to 18.0GHz, Threshold Detector with a threshold level of -42dB

PMI Model No. GMTA-1003

PMI Model No. GMTA-1003 is a threshold detector designed to operate over the frequency range of 8.0 to 18.0GHz. It has a fixed threshold level of -42dBm with threshold stability of +/-3.0dBm over frequency and temperature.

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/detectors/GMTA-1003.htm

10.0: 0.1 to 40.0GHz, SP2T Absorptive Switch

PMI Model No. P2T-100M40G-110-T-512-292FF

PMI Model No. P2T-100M40G-110-T-512-292FF is an absorptive, single pole, two throw, pin diode switch that operates over the 0.1 to 40.0GHz frequency range. This model incorporates a TTL compatible driver for easy system integration.
11.0: 18.0 to 40.0GHz, 10-Bit Programmable 30dB Pin Diode Attenuator

PMI Model No. DTA-18G40G-30-CD-1

PMI Model DTA-18G40G-30-CD-1 is a 10-Bit programmable 30dB PIN diode attenuator with a step resolution as low as 0.06dB over the frequency range of 18GHz to 40GHz. This model is offered in a slim line housing measuring only 0.5" in height. This model is supplied with 2.92mm female connectors.

12.0: 0.5 to 4.0GHz, SDLVA with a Dynamic Range of 70dB

PMI Model No. SDLVA-500M4G-CD-1

PMI Model SDLVA-500M4G-CD-1 Successive Detection Log Video Amplifiers (SDLVA) offers 70dB Dynamic Range over the frequency range of 0.5 to 4.0GHz. This model offers an ultra-fast rise time of 10nsec maximum, a recovery time of less than 60nsec and a limited RF Output of +7dBm. The unit is temperature compensated such that log linearity over temperature remains less than +/-2.5dB over the full operating temperature range of -40 to +70C. This model is supplied in a compact housing measuring only 3.2" x 1.8" x 0.4". [Optional frequency ranges covering 100MHz to 26.5GHz are available.]
PMI 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
- Diode Detectors
- Digital Attenuators
- Digitally Tuned Oscillator
- Frequency Discriminators
- I/Q Vector Modulators
- Limiters
- Multifunction Integrated Assemblies
- Phase Shifters
- Power Dividers/Combiners
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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