New Products Released & Product Updates by PLANAR MONOLITHICS INDUSTRIES, INC (PMI) on October 13, 2014

New Products

- 1.0 **TD-1G12G-RL-CD-SFF**: 1.0 to 12.0GHz, High Speed Threshold Detector
- 2.0 **PE2-45-2R018R0-4R5-22-12-SFF**: 2.0 to 18.0GHz, 45dB Gain, Low Noise Amplifier
- 3.0 **DGM-18G40G-292FF-DS**: 18.0 to 40.0GHz, Quad Phase & Amplitude Matched mmW(Milimeter Wave) Diplexer-Gain Module
- 4.0 **DTA-50M2D5G-CD-SFF-1**: 50MHz to 2.5GHz, 10-Bit Programmable, 60dB Pin Diode Attenuator

Product Updates

- 5.0 **DLVA-6G18G-50**: 6.0 to 18.0GHz, DLVA with a logging range of -70 to 0dBm

New Product Listings

**1.0**: 1.0 to 12.0GHz, High Speed Threshold Detector

**PMI Model No. TD-1G12G-RL-CD-SFF**

PMI Model No. TD-1G12G-RL-CD-SFF is a high speed threshold detector designed to operate over the 1.0 to 12.0GHz frequency range. It has an adjustable threshold level of -30 to -10dBm and a VSWR of 3.0:1 max. This unit comes in a very small size with field removable SMA connectors on the input and output and has active low output.
Please Click PMI Website Link, http://www.pmi-rf.com/Products/attenuators/DTA-0R5G18G-60-CD-1.htm

2.0: 2.0 to 18.0GHz, 45dB Gain, Low Noise Amplifier

![Image](https://via.placeholder.com/150)

**PMI Model No. PE2-45-2R018R0-4R5-22-12-SFF**

PMI Model No. PE2-45-2R018R0-4R5-22-12-SFF is a 2.0 to 18.0GHz, Low Noise Amplifier that typically provides 45dB of gain while maintaining a maximum gain flatness of ±1.5dB over the operating frequency. The typical noise figure is 4.5dB and offers a minimum OP1dB of 20dBm. The operating voltage is +12 to +15VDC and the current draw is 385mA nominal. This unit is provided with removable SMA(F) connectors in our standard PE2 housing.

Please Click PMI Website Link, http://www.pmi-rf.com/Products/amplifiers/PE2-45-2R018R0-4R5-22-12-SFF.htm

3.0: 18.0 to 40.0GHz, Quad Phase & Amplitude Matched mmW(Milimeter Wave) Diplexer-Gain Module

![Image](https://via.placeholder.com/150)

**PMI Model No. DGM-18G40G-292FF-DS**

PMI Model No. DGM-18G40G-292FF-DS is a Quad Phase & Amplitude Matched mmW (Milimeter Wave) Diplexer-Gain module designed to operate over the 18.0 to 40GHz frequency...
range with a switched output and an integrated power divider feeding the four antenna inputs via a 20dB coupler for ease of system set up. The band select function not only switches bands, but also allows the amplified bands not in use to be turned off to reduce power consumption. This model is also designed to have better than 60dB harmonic suppression.

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/multifunctionmodules/DGM-18G40G-292FF-DS.htm

**4.0: 50MHz to 2.5GHz, 10-Bit Programmable, 60dB Pin Diode Attenuator**

![Image of PMI Model No. DTA-50M2D5G-CD-SFF-1](image1)

**PMI Model No. DTA-50M2D5G-CD-SFF-1**

PMI Model No. DTA-50M2D5G-CD-SFF-1 is a non-reflective, 10-Bit programmable 60dB PIN diode attenuator with a step resolution as low as 0.06dB over the frequency range of 50MHz to 2.5GHz.

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/attenuators/DTA-50M2D5G-CD-SFF-1.htm

**Updated Product Listings**

**5.0: 6.0 to 18.0GHz, DLVA with a logging range of -70 to 0dBm**

![Image of PMI Model No. DLVA-6G18G-50](image2)

**PMI Model No. DLVA-6G18G-50**

PMI Model No. DLVA-6G18G-50 is a DLVA (Detection Logarithmic Video Amplifier) designed to operate over the frequency range of 6.0 to 18.0GHz. This DLVA has a minimum TSS of -72dB and provides a logging range of -70 to 0dBm. The log slope is 25mV/db with a log accuracy of ±4dB maximum. The pulse range is 100nsec to CW and this DLVA's rise time is 50nsec maximum and a fall time of 70nsec maximum. The recovery time is less than 70nsec with a delay of less than 15nsec. This model is supplied in a housing measuring 3.20" x 2.05" x 0.40" and is designed to be hermetically sealed.

Please Click PMI Website Link,
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.

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