New Products Released & Product Updates by PLANAR MONOLITHICS INDUSTRIES, INC (PMI) on June 9, 2015

New Products

SDLVA
1.0 SDLVA-418-65-16MV-12DBM: 4.0 to 18.0 GHz, Successive Detection Log Video Amplifier (SDLVA).

DLVA
2.0 GMDA-D1006: 2.0 to 6.0 GHz, DC Coupled Detector Log Video Amplifier.

Switched Filter Bank
3.0 6SFB-CC-100M18G-MAH-RX-TX: 100 MHz to 18.0 GHz, Integrated Module Containing Two 6-Channel Switched Filter Banks.

Power Divider
4.0 APD-4-20M6G-28V: 20 MHz to 6.0 GHz, 4-Way Amplified Power Divider Module.

Phase Shifter
5.0 PS-100M1200M-9B-SFF: 0.1 to 1.2 GHz, 9-Bit Digitally Controlled Analog Phase Shifter.

Product Updates

DLVA
6.0 DLVA-2G4G-45-70-CD-1: 2.0 to 4.0 GHz, Detector Log Video Amplifier (DLVA).

New Product Listings

1.0: 4.0 to 18.0 GHz, Successive Detection Log Video Amplifier (SDLVA)
PMI Model No. SDLVA-418-65-16MV-12DBM

PMI Model No. SDLVA-418-65-16MV-12 DBM is a successive detection log video amplifier (SDLVA) that operates between the 4.0 to 18.0 GHz frequency range. It has a dynamic range of 65 dB, a nominal log slope of 16.7 mV/dB. Furthermore, it has been designed using cutting edge GaAs technology which provides stunning performance and reliability in a compact package.

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/SDLVA/SDLVA-418-65-16MV-12DBM.htm

2.0: 2.0 to 6.0 GHz, DC Coupled Detector Log Video Amplifier

PMI Model No. GMDA-D1006

PMI Model No. GMDA-D1006 is an extended dynamic range DLVA designed to operate over the 2.0 to 6.0 GHz frequency range. It employs planar diode detectors and integrated video circuitry for high speed performance and outstanding reliability. It is of superior construction using state of the art MIC/MMIC technology.

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/dlva/GMDA-D1006.htm

3.0: 100 MHz to 18.0 GHz, Integrated Module Containing Two 6-Channel Switched Filter Banks

PMI Model No. 6SFB-CC-100M18G-MAH-RX-TX

PMI Model No. 6SFB-CC-100M18G-MAH-RX-TX is an integrated module containing two 6-channel switched filter banks covering 100 MHz to 18.0 GHz. A receive switched filter bank has 2 inputs, one with 18 dB gain and one with 10 dB insertion loss. The absorptive input switch has 100 dB isolation between the 2 inputs. A transmit switched filter bank has 32 dB typical gain while allowing 1 of 6 filter paths to be chosen. Both filter banks can be used simultaneously in different bands. The unit measures only 4.80” x 3.08” x 0.365”.

Please Click PMI Website Link,
4.0: **20 MHz to 6.0 GHz, 4-Way Amplified Power Divider Module**

PMI Model No. **APD-4-20M6G-28V**

PMI Model No. APD-4-20M6G-28V is a 4-Way Amplified Power Divider Module for use over the frequency range of 20 MHz to 6.0 GHz with 3.5 dB of gain, and a typical output P1 dB of 9 dB. This model is designed to have a low noise figure over a broad frequency range.

Please Click PMI Website Link,  
[http://www.pmi-rf.com/Products/power_divider/APD-4-20M6G-28V.htm](http://www.pmi-rf.com/Products/power_divider/APD-4-20M6G-28V.htm)

5.0: **0.1 to 1.2 GHz, 9-Bit Digitally Controlled Analog Phase Shifter**

PMI Model No. **PS-100M1200M-9B-SFF**

PMI Model No. PS-100M1200M-9B-SFF is a 100 to 1200MHz, 9-Bit Digitally Controlled Analog Phase Shifter with capability for phase shifting from 0° to 360°. The unit consists of an analog phase shifter and a digital to analog converter. Nine logic input lines allow 512 discrete values of phase.

Please Click PMI Website Link,  
[http://www.pmi-rf.com/Products/phaseshift-biphasemod/phaseshifters/PS-100M1200M-9B-SFF.htm](http://www.pmi-rf.com/Products/phaseshift-biphasemod/phaseshifters/PS-100M1200M-9B-SFF.htm)

**Product Updates**

6.0: **2.0 to 4.0 GHz, Detector Log Video Amplifier (DLVA)**
PMI Model No. DLVA-2G4G-45-70-CD-1

PMI Model No. DLVA-2G4G-45-70-CD-1 is a detector log video amplifier (DLVA) that operates between the 2.0 to 4.0 GHz frequency range. It has a dynamic range of 45 dB, a log slop of 70 mV/dB and a nominal video bandwidth of 14 MHz. Furthermore, the DLVA has features that can convert any incoming signal ranging from 50 ns to CW to a pulsed output of 600 ns. In addition, the DLVA will not trigger an output with input pulse widths of 40 ns or less. This state of the art design utilizes cutting edge technology which provides stunning performance and reliability in a compact package making it an optimum solution for high speed channelized receiver applications.

Please Click PMI Website Link, http://www.pmi-rf.com/Products/SDLVA/DLVA-2G4G-45-70-CD-1.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)
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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