New Products Released/ Product Updates by PLANAR MONOLITHICS INDUSTRIES, INC (PMI) on May 27, 2014

New Products

- **1.0 P2T-1G1R1G-25-R-SFF-100W**: 1.0 to 1.1GHz, 5KW Peak, High Power SP2T, Reflective Switch
- **2.0 P2T-1G1R1G-25-R-TFF-40W**: 1.0 to 1.1GHz, 4KW Peak, High Power SP2T, Reflective Switch
- **3.0 P1T-200M18G-60-T-SFF OPTION 0518**: 0.5 to 18.0GHz, High Speed, SPST, Absorptive Switch
- **4.0 P4T-8G12G-60-T-SFF-KW**: 8.0 to 12.0GHz, High Speed, SP4T Absorptive Switch
- **5.0 SDLVA-212-65-16MV-12DBM**: 2.0 to 12.5GHz, SDLVA with a dynamic range of 65dB

Updated Product Pages

- **6.0 PS-504509-360-QQ1470**: 5.4 to 5.9GHz, Digitally Controlled, Analog Phase Shifter with capability for phase shifting from 0° to 360°
- **7.0 DTA-26R5G50G-30-CD-1**: 26.5 to 40.0GHz, 10-Bit Programmable, 30dB Pin Diode Attenuator

New Product Listings

1.0: 1.0 to 1.1GHz, 5KW Peak, High Power SP2T, Reflective Switch

PMI Model No. P2T-1G1R1G-25-R-SFF-100W

PMI Model No. P2T-1G1R1G-25-R-SFF-100W is a single pole, two throw, hermetically sealed reflective switch designed to operate over the 1.0 to 1.1GHz frequency range. This model is...
designed to handle 100 Watts average input power and 5KW peak having a 17usec pulse width and 2% duty cycle.

Please Click PMI Website Link, http://www.pmi-rf.com/Products/Switches/P2T-1G1R1G-25-R-SFF-100W.htm

2.0: 1.0 to 1.1GHz, 4KW Peak, High Power SP2T, Reflective Switch

PMI Model No. P2T-1G1R1G-25-R-TFF-40W

PMI Model No. P2T-1G1R1G-25-R-TFF-40W is a single pole, two throw, hermetically sealed, reflective switch designed to operate over the 1.0 to 1.1GHz frequency range. This model is designed to handle 40 watts average input power and 4KW peak having a 3usec pulse width and 1% duty cycle. The switch offers fast switching speeds of 300nsec maximum, low insertion loss of 0.4dB typically and high isolation of 37dB typically. The DC supplies are +50VDC, 18mA typical and +5VDC, 63mA typical. The housing measures 3.92" x 2.68" x 0.70" and is supplied with TNC Female connectors.

Please Click PMI Website Link, http://www.pmi-rf.com/Products/Switches/P2T-1G1R1G-25-R-TFF-40W.htm

3.0: 0.5 to 18.0GHz, High Speed, SPST, Absorptive Switch

PMI Model No. P1T-200M18G-60-T-SFF OPTION 0518

PMI Model No. P1T-200M18G-60-T-SFF OPTION 0518 is a High speed, single pole, single throw, absorptive switch capable of switching within 25ns. The frequency range is 0.5 to 18.0GHz. This switch has over 60dB of isolation and a maximum VSWR of 2.0:1.

Please Click PMI Website Link, http://www.pmi-rf.com/Products/Switches/P1T-200M18G-60-T-SFFOPTION0518.htm

4.0: 8.0 to 12.0GHz, High Speed, SP4T Absorptive Switch
PMI Model No. P4T-8G12G-60-T-SFF-KW

PMI Model No. P4T-8G12G-60-T-SFF-KW is a 8.0 to 12.0GHz, single pole, four throw, absorptive switch. This switch offers 90dB typically of port to port isolation and a typical insertion loss of 2.0dB. It has a typical switching speed of 20ns and is independently TTL controlled. The operating power is +20dBm CW and the VSWR is 2.0:1 maximum. This switch is supplied in a housing measuring 2.0" x 1.0" x 0.4".

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/Switches/P4T-8G12G-60-T-SFF-KW.htm

5.0: 2.0 to 12.5GHz, SDLVA with a dynamic range of 65dB

PMI Model No. SDLVA-212-65-16MV-12DBM

PMI Model No. SDLVA-212-65-16MV-12DBM is a successive detection log video amplifier (SDLVA) that operates between the 2.0 to 12.5GHz frequency range. It has a dynamic range of 65dB, a log slope of 16.7mV/dB and a nominal video bandwidth of 50MHz. 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-212-65-16MV-12DBM.htm

Product Page Updates

6.0: 5.4 to 5.9GHz, Digitally Controlled, Analog Phase Shifter with capability for phase shifting from 0º to 360º
PMI Model No. PS-504509-360-QQ1470 is a 5.4 to 5.9GHz 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. Eight logic input lines allow 256 discrete values of phase.

Please Click PMI Website Link, http://www.pmi-rf.com/Products/phaseshift-biphasemod/phaseshifters/PS-504509-360-QQ1470.htm

7.0: 26.5 to 40.0GHz, 10-Bit Programmable, 30dB Pin Diode Attenuator

PMI Model No. DTA-26R5G40G-30-CD-1

PMI Model DTA-26R5G40G-30-CD-1 is a 10-Bit programmable 30dB PIN diode attenuator with a step resolution of 0.03dB over the frequency range of 26.5GHz to 40GHz. This model operates on a single +15VDC supply and draws only 50mA of current. Very high levels of attenuation accuracy of 0.03dB is achieved. This attenuator provides ultra-fast switching speeds of 300nsec and has an operating input power rating of +10dBm. This model is supplied in a small, lightweight housing measuring 2.0 x 1.8 x 0.5 inches.

Please Click PMI Website Link, http://www.pmi-rf.com/Products/attenuators/DTA-26R5G40G-30-CD-1.htm

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**DC to 40GHz Components, Modules, and Systems**

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

Quadrature Couplers

SDLVA's

Switch Matrices
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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