Here's What's New...
New Product Releases & Product Updates

November 3, 2015

*** NEW RELEASES ***
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1.0 PMI Model No.: SAA-218-6-093-013542 OPT. HERM
PMI's Switchable RF Attenuator with six signal paths, operates from 2.0 to 18.0 GHz, and is designed to be switched between a low loss state (2 dB loss typical) and a high loss state (20 dB loss typical). The settings will be selected by six digital control bits.

- Logic High Voltage, VH: 2.0 V min., 3.5 V max. - Measured 2.0 V
- Logic Low Voltage, VL: 0 V min. 0.8 V max. - Measured 2.0 V
- Load Capacitance: 0 pF min., 35 pF max.
- Insertion Loss: "1 = 2 dB Insertion Loss" / "0 = 20 dB Insertion Loss"

Click [here](#) for more details...

2.0 PMI Model No.: PDVAN-6012-60-8
PMI's 8bit programmable 60dB Pin Diode Attenuator has a step resolution as low as 0.25dB over the frequency range of 6.0 to 12.0GHz.
3.0 PMI Model No.: P2T-500M10G-60-R-515-SFF-10WCW
PMI's Single Pole Two Throw Reflective Switch operates over the 0.5 to 10.0GHz frequency range. This switch handles input power of 10 watts CW and has a maximum switching speed of 100nsec.

- VSWR In/Out: 2.0:1 max. - Measured 1.6:1
- Isolation: 60dB min
- RF Power: 10 Watts CW max
- RF Connectors: SMA (F)

4.0 PMI Model No.: P4T-50M40G-55-T-515-292FF-OPT27G
PMI's Single Pole Four Throw, Absorptive Switch offers 55dB of port to port isolation and a maximum insertion loss of 8dB. It has a switching speed of 100ns and is independently TTL controlled. The operating power is +20dBm CW and the typical VSWR is 2.0:1 max.

- Frequency: 0.05 to 27.0 GHz
- Insertion Loss: 8 dB max. - Measured 4.6 dB
- Isolation: 55 dB min. - Measured 59 dB
- Survival Power: 0.5 W CW, 5W Peak, 1us

5.0 PMI Model No.: 7LP6G-6175-CD-TNC
PMI's Suspended Substrate Lowpass Filter with SMA(F) connectors in/out, offers very high Q with broadband performance in a silver plated CNC machined housing. This unit has very low loss and is ideal for eliminating broadband harmonics.

- Passband: DC to 6000 MHz
- 3 dB Bandwidth: 6175 MHz - Measured 1.4 dB
- VSRW in the Passband: 1.5:1
- Insertion Loss (Passband): 7 dB min. - Measured 0.8 dB
6.0 PMI Model No.: 8LP7G-7050-CD-SFF
PMI's low pass filter with SMA female connectors in and out, will be machined and silver plated to provide the highest possible Q.

- 0.5 Passband: DC to 7.0 GHz
- VSWR in the Passband: 2.0:1 max., 1.5:1 goal - Measured 1.4:1
- Insertion Loss (Passband): 1 dB max. - Measured 0.7 dB
- Connectors: SMA(F)

7.0 PMI Model No.: PMOD-IFCPL-60M-AMP-3U
PMI's IF Coupler Module is on a 3U Open VPX card that operates on a frequency of 60MHz. A test signal and 3 RF signals are input allowing for 3 output signals.

- A1, B1 Input Signal: Maximum Input Power -11 dBm
- A1, B1 Maximum VSWR: 1.5:1 at IF
- A1, B1 and Ω Output Signals: Absolute Maximum Out: +10 dbm
- A1, B1 and Ω Output Signals: Full Scale Output: +3 dBm to +8 dBm

8.0 PMI Model No.: P2T-17G40G-60-R-55-292FF
PMI's Single Pole Two Throw Pin Diode Switch operates from 17.0 to 40.0 GHz frequency range and incorporates a TTL compatible driver for easy system integration.

- Isolation: 60 db min. - Measured 62 db
- Insertion Loss: 3.5 dB max. - Measured 3.3 dB
- RF Power Capability: 100mW CW max (Hot Switching)
- Connectors In/Out: 2.92mm (F)
9.0 PMI Model No.: POB-15-818-20-LCA
PMI's Low Noise Amplifier provides 15dB of gain typically while maintaining a gain flatness of +/-1.75dB typically over the operating frequency. The noise figure is 3.0dB typical and offers a typical OP1dB of +20dBm. The amplifier requires +12 to +15VDC and has a typical current draw of 180mA. The unit is supplied with removable SMA(F) connectors in our standard PE2 housing.

- Frequency Range: 8.0 to 18.0 GHz
- VSWR Input: 2.0:1 max. - Measured 1.59:1
- VSWR Output: 2.0:1 max - Measured 1.33:1
- Operating Input Power: +20 dBm Operating

Click [here](#) for more details...

10.0 PMI Model No.: PS-2G18G-360-8D
PMI's 2.0 to 18.0GHz, 8-Bit, Vector Phase Shifter makes it ideal for frequency translation where continuous monotonic phase shifting is required. This model also features high speed switching and typically lower than 60dB harmonic features.

- Phase Range: 360 Degrees
- RF Input Power: +20 dBm CW, 1 Watt max.
- Insertion Loss: 18.0 dB max.
- VSWR: 2.2:1 max (50 Ohm System)

Click [here](#) for more details...

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*** For more information on PMI's complete line of products, please visit ***

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**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)
Low Noise Amplifiers
Threshold Detectors
Filters and 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
DLVA/ERDLVA
Receiver Front Ends
SMT and QFN Packaging
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,

PMI Marketing Department
7311-F Grove Road, Frederick, MD 21704 USA
Phone (301) 662-5019 / Fax (301) 662-1731

4921 Robert J. Mathews Parkway, Suite 1, El Dorado Hills, CA 95762 USA
Phone (916) 542-1401 / Fax (916) 265-2597

Email: sales@pmi-rf.com / Web: www.pmi-rf.com