Here's What's New...

New Product Releases & Product Updates

December 17, 2015

*** NEW RELEASES ***

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1.0 PMI Model No. P1T-10M1G-80-T-SFF
PMI's Absorptive, High Speed, Single Pole Single Throw Switch is capable of switching within 200 ns maximum. The frequency range is 10 to 1.0 GHz.

- Frequency Range: 10 MHz to 1.0 GHz
- Insertion Loss: 1.3 dB max - Measured 0.65 dB
- Isolation: 80 dB typ - Measured 86.02 dB
- Input VSWR: 1.5:1 typ - Measured 1.53:1
- Switching Speed: 200 ns max - Measured < 200 ns
- Voltage & Current: +5 VDC, 20 mA typ - Measured 23 mA
  -15 VDC, 40 mA typ - Measured 73 mA
- Connectors: In/Out - SMA Female
- Control - Solder Pins

Click here for more details...
http://www.pmi-rf.com/Products/Switches/P1T-10M1G-80-T-SFF.htm

2.0 PMI Model No. P1T-0R5G18G-55-T-SFF-PN
PMI's single pole, single throw, absorptive switch is designed to operate over the 0.5 to 18.0 GHz frequency range. This model is designed to maintain low insertion loss, high isolation and fast switching speed.

- Frequency Range: 0.5 to 18.0 GHz
- Insertion Loss: 3.5 dB max - Measured 2.45 dB
- Isolation: 55 dB min - Measured 73.56 dB
- VSWR: 2.0:1 max - Measured 1.94:1
- Switching Speed: 100 ns max - Measured 36.6 ns
- Voltage & Current: +5 V, 50 mA nominal - Measured 18 mA
  -15 V, 50 mA nominal - Measured 64 mA
3.0 PMI Model No. P2T-2G4G-75-T-SFF-PN
PMI's single pole, double throw, non reflective switch is designed to operate over the 2.0 to 4.0 GHz frequency range. This model is designed to maintain low insertion loss, high isolation and fast switching speed.

- Frequency Range: 2.0 to 4.0 GHz
- Insertion Loss: 1.2 dB - Measured 1.15 dB
- Isolation: 75 dB min - Measured 87.15 dB
- VSWR: 1.6:1 max - Measured 1.51:1
- Switching Speed: 100 ns max - Measured 73 ns
- Voltage & Current: +5 V, 80 mA nominal - Measured 26 mA
  -15 V, 50 mA nominal - Measured 59 mA
- Connectors: RF - SMA Female
  DC - Solder Pins

Click here for more details...
http://www.pmi-rf.com/Products/Switches/P2T-2G4G-75-T-SFF-PN.htm

4.0 PMI Model No. P2T-100M50G-100-T
PMI's Absorptive, single pole two throw pin diode switch operates over the 0.1 to 50.0GHz frequency range. This model features low insertion loss, high resolution and incorporates a TTL compatible driver for the ease of system integration in a slimline package.

- Frequency Range: 0.1 to 50.0 GHz
- Insertion Loss: 5.0 dB (0.1 to 18.0 GHz) typ - Measured 3.0 dB
  6.0 dB (18.0 to 40.0 GHz) typ - Measured 5.2 dB
  9.0 dB (40.0 to 50.0 GHz) typ - Measured 9.1 dB
- Isolation: 70 dB (0.1 to 1.0 GHz) typ - Measured 103.7 dB
  100 dB (1.0 to 18.0 GHz) typ - Measured 107.8 dB
  80 dB (18.0 to 40.0 GHz) typ - Measured 90.8 dB
  80 dB (40.0 to 50.0 GHz) typ - Measured 95.9 dB
- VSWR: 2.1:1 (0.1 to 18.0 GHz) typ - Measured 1.76:1
  2.5:1 (18.0 to 40.0 GHz) typ - Measured 1.96:1
  3.0:1 (40.0 to 50.0 GHz) typ - Measured 2.54:1
- Switching Speed: 50 ns max - Measured 33 ns
- Voltage & Current: +5 V, 100 mA max - Measured 88 mA
  -5 V, 100 mA max - Measured 63 mA
- RF Connectors: 2.4 mm Female

Click here for more details...
http://www.pmi-rf.com/Products/Switches/P2T-100M50G-100-T.htm

5.0 PMI Model No. P4T-17G40G-60-R-55-292FF
PMI's Single pole, four throw, reflective switch operates from 17.0 to 40.0 GHz.

- Frequency Range: 17.0 to 40.0 GHz
- Insertion Loss: 4.5 dB max - Measured 4.38 dB
- Isolation: 60 dB max - Measured 66.83 dB
- VSWR: 2.0:1 max - Measured 1.95:1
- Switching Speed: Rise Time - 100 ns max - Measured 12 ns
  Fall Time - 100 ns max - Measured 19.5 ns
- Voltage & Current: +5 VDC, 100 mA max - Measured 35 mA
  -5 VDC, 100 mA max - Measured 25 mA
- Connectors: 2.92 mm Female
6.0 PMI Model No. P8T-0R5G18G-60-T-SFF-PN
PMI's high speed, single pole, eight throw, absorptive switch is capable of switching within 100 ns with a frequency range of 0.5 to 18.0 GHz.

- Frequency Range: 0.5 to 18.0 GHz
- Insertion Loss: 4.5 dB max - Measured 4.06 dB
- Isolation: 55 dB min - Measured 56.09 dB
- VSWR: 2.0:1 max - Measured 1.94:1
- Switching Speed: 100 ns max - Measured 42 ns
- Voltage & Current: +5 VDC, 400 mA - Measured 79 mA
  -5 VDC, 100 mA - Measured 15 mA
- Connectors: SMA Female

Click here for more details...
http://www.pmi-rf.com/Products/Switches/P8T-0R5G18G-60-T-SFF-PN.htm

7.0 PMI Model No. PL-MCU-ENET-TTL-14-10B-1U
PMI's Ethernet Microcontroller Test Box allows for an ethernet command to be sent up to 140 parallel TTL output bits. Fourteen 15-Pin D-Subminiature connectors are provided to control fourteen 10-Bit devices. +15VDC is also provided on each connector to provide up to 50 Watts total to the external devices. A custom GUI is provided along with operating instructions with commands to allow the user to write their own GUI for direct control.

- Ethernet Connector: RJ-45
- Power Supply: 100-120 VAC/60Hz
- Size: 10.06" x 17.06" x 1.73"
- Finish: Powder Coated Blue with Silkscreen

Click here for more details...
http://www.pmi-rf.com/Products/multifunctionmodules/PL-MCU-ENET-TTL-14-10B-1U.htm

8.0 PMI Model No. ADM-10M18G-SFF-110VAC
A state-of-the-art 10MHz to 18.0GHz, PMI's integrated subsystem allows users to input RF signals and provide automatic detection when signal levels fall below -30dBm and automatically switch in a low noise amplifier such that low level signals can remain detectable. This module is to provide optimum RF signal levels to a RF/fiber converter module and is powered by standard 100VAC. The output and RF input is via an sma female connector. The product is configured for in system optimization such that the end user can change the value of the fixed attenuator level by changing the internal sma screw-on attenuator.

- Frequency Range: 10 MHz to 18.0 GHz
- RF Input Power: 1 Watt CW (+30dBm) max
- Insertion Loss: 19 dB typ - Measured 16.92 dB min, 36.98 dB max
- RF Gain: 15 dB typ - Measured 4.4 dB min, 19.45 dB max
- Threshold Level: -30 dBm
- Internal Switch Isolation: 40 dB typ.
- Output P1dB: 1.5 dBm (with internal fixed 12dB attenuator)

Click here for more details...
http://www.pmi-rf.com/Products/multifunctionmodules/ADM-10M18G-SFF-110VAC.htm

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9.0 PMI Model No. P8T-100M40G-95-T-512-292FF-IND
PMI’s high speed, single pole, eight throw, absorptive switch operates over the 0.1 to 40.0 GHz frequency range. This model is designed to achieve over 80 dB of isolation and switches in less than 100 ns.

- **Frequency Range:** 0.1 to 40.0 GHz
- **Insertion Loss:** 11 dB max
  
  - 6 dB typ (0.1 to 18.0 GHz) - Measured 5.8 dB
  - 7 dB typ (18.0 to 26.5 GHz) - Measured 6.6 dB
  - 10 dB typ (26.5 to 40.0 GHz) - Measured 9.5 dB
- **Isolation:** 90 dB min (0.1 to 18.0 GHz) - Measured 105.3 dB
  
  - 80 dB min (>18.0 to 40.0 GHz) - Measured 97.8 dB
- **VSWR In/Out:** 2.5:1 typ - Measured 3.09:1
- **Switching Speed:** 100 ns max - Measured 60 ns
- **Voltage & Current:** +5 VDC, 500 mA - Measured 202 mA
  
  - -12 VDC, 200 mA - Measured 71 mA
- **Connectors:** 2.92 mm Female

Click [here](http://www.pmi-rf.com/Products/Switches/P8T-100M40G-95-T-512-292FF-IND-2.htm) for more details...

10.0 PMI Model No. PS-360-DC-IR-9G11G
PMI's digitally controlled analog phase shifter has the capacity for phase shifting from 0° to 360° with a frequency range of 9.0 to 11.0 GHz.

- **Frequency Range:** 9.0 to 11.0 GHz
- **Insertion Loss:** 8.0 dB typ - Measured 7.4 dB
- **Insertion Loss Tracking:** ±0.5 dB goal, ±0.75 dB typ
  
  - Measured ±0.14 dB
- **Insertion Loss V Phase:**
  
  - ±0.75 dB goal, ±1.25 dB typ
  
  - Measured ±0.52 dB
- **VSWR:** 1.75:1 max - Measured 1.63:1
- **Switching Speed:** 300 ns typ - Measured 182 ns
- **Survival Power:** +30 dBm max
- **Control:** 10-Bit TTL

Click [here](http://www.pmi-rf.com/Products/phaseshift-biphasemod/phaseshifters/PS-360-DC-IR-9G11G.htm) for more details...

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

http://www.pmi-rf.com/index.htm

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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
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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