PMI's New Product Releases

January 5, 2016

1.0 PMI Model No. P1T-1G2G-85-T-SFF
PMI's Single pole, single throw switch is capable of switching within 50 ns maximum. The frequency range is 1.0 to 2.0 GHz. This switch has > 80 dB isolation.

- Frequency Range: 1.0 to 2.0 GHz
- Insertion Loss: 0.9 dB typ - Measured 0.58 dB
- Isolation: 80 dB typ - Measured 88.79 dB
- Input VSWR: 1.5:1 typ - Measured 1.15:1
- Switching Speed: 50 ns max - Measured 26 ns
- Voltage & Current: +5 VDC, 20 mA typ - Measured 10 mA
  -15 VDC, 40 mA typ - Measured 23 mA
- Connectors: In/Out - SMA Female
  Control - Solder Pins

Click here for more details...
http://www.pmi-rf.com/Products/Switches/P1T-1G2G-85-T-SFF.htm

2.0 PMI Model No. P1T-8G12G-70-R-SFF
PMI's Reflective, high speed, single pole single throw switch capable of switching within 50 ns maximum. The frequency range is 8.0 to 12.0 GHz. This switch has > 70 dB isolation.

- Frequency Range: 8.0 to 12 GHz
- Insertion Loss: 1.8 dB typ - Measured 1.13 dB
- Isolation: 70 dB min - Measured 82.44 dB
- Input VSWR: 1.8:1 typ - Measured 1.30:1
- Switching Speed: 50 ns max - Measured 48.6 ns
- Voltage & Current: +5 VDC, 20 mA typ - Measured 10 mA
  -15 VDC, 20 mA typ - Measured 5 mA
- Connectors: In/Out - SMA Female
  Control - Solder Pins

Click here for more details...
http://www.pmi-rf.com/products/switches/P1T-8G12G-70-R-SFF.htm
3.0 PMI Model No. P4T-100M50G-100-T-RD
PMI’s Absorptive, single pole four throw pin diode switch operating over the 0.1 to 50.0 GHz frequency range. It features low insertion loss and high isolation in a slim line package. This module also incorporates a TTL compatible driver for ease of system integration.

- Frequency Range: 0.1 to 50.0 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: 50 ns max - Measured 45 ns
- Voltage & Current: +5 V, 50 mA nominal - Measured 18 mA
  -15 V, 50 mA nominal - Measured 64 mA
- Connectors: RF - SMA Female
  Control - Solder Pins

Click here for more details...
http://www.pmi-rf.com/Products/Switches/P4T-100M50G-100-T-RD.htm

4.0 PMI Model No. 11CL-4D7G-540-CD-SFF
PMI's 11 Pole filter is centered at 4.7 GHz with a bandwidth of 540 MHz.

- Frequency Range (0.5 dB BW): 4.7 GHz +/-270 MHz
- Ripple: 0.5 dB typ - Measured 0.05 dB PK-PK
- VSWR: 1.5:1 max - Measured 1.33:1
- RF Connectors: SMA Female

Click here for more details...
http://www.pmi-rf.com/Products/filters/11CL-4D7G-540-CD-SFF.htm

5.0 PMI Model No. 11CL-5D5G-540-CD-SFF
PMI's 11 Pole filter is centered at 5.5 GHz with a bandwidth of 540 MHz.

- Frequency Range (0.5 dB BW): 5.5 GHz +/-270 MHz
- Ripple: 0.5 dB typ - Measured 0.05 dB PK-PK
- VSWR: 1.5:1 max - Measured 1.22:1
- RF Connectors: SMA Female

Click here for more details...
http://www.pmi-rf.com/Products/filters/11CL-5D5G-540-CD-SFF.htm

6.0 PMI Model No. 16CL-5D1G-800-CD-SFF
PMI's 16 Pole filter is centered at 5.1 GHz with a bandwidth of 800 MHz.

- Frequency Range: (0.5 dB BW) 5.1 GHz ±400 MHz
- Ripple: 0.5 dB typ - Measured 0.05 dB PK-PK
- VSWR: 1.5:1 max - Measured 1.17:1
- RF Connectors: SMA Female

Click here for more details...
http://www.pmi-rf.com/Products/filters/16CL-5D1G-800-CD-SFF.htm

7.0 PMI Model No. APD-4-4D1G6D1G-30W-SFF
PMI's 4-Way power divider operating between the ranges of 4.1 to 6.1 GHz.

- Frequency Range: 4.1 to 6.1 GHz
- Insertion Loss: 0.8 dB max
- Isolation: 20 dB min
- VSWR: 1.3:1 max
- Amplitude Balance: +/-0.3 dB max
- Power Handling: Forward 30 Watts max/Reverse 1 Watt max
- Impedance: 50 OHMS
- Connectors: SMA Female

Click here for more details...
http://www.pmi-rf.com/Products/power_divider/APD-4-4D1G6D1G-30W-SFF.htm

8.0 PMI Model No. TD-4D1G6D1G-CD-SMF
PMI's High speed threshold detector designed to operate over the 4.1 typ 6.1 GHz frequency range. It has external adjustment to vary the threshold level from -20 dBm to 0 dBm.

- Frequency Range: 4.1 to 6.1 GHz
- VSWR: 2.6:1 typ - Measured 1.4:1
- Threshold Variation (with frequency) +/-0.75 dB max - Measured 0.38 dB
- Minimum Pulse Width: 50 ns typ - Measured 40 ns
- Input Power: 100 mW CW max - Measured 100 mW CW
- Connectors: SMA Male/SMA Female
- Threshold Adjust: Solder Pin

Click here for more details...
http://www.pmi-rf.com/products/detectors/TD-4D1GD1G-CD-SMF.htm

9.0 PMI Model No. DTO-6G19G-CD-1
PMI's Digitally controlled oscillator that operates over the 6.0 to 19.0 GHz frequency range. This unit features high speed, high accuracy and low phase noise.

- Frequency Range: 6.0 to 19.0 GHz - Measured 6 to 19 GHz
- RF Output Power:
  +10 dBm min - Measured +10.2 dBm
- Modulation: Bandwidth: DC to 10 MHz min
  Sensitivity Variation: 1:1:1 max
  Frequency Deviation Bandwidth: +/-250 MHz min @ 2 V PK-PK
- Phase Noise: -60 dBc/Hz typ @ 100 kHz offset - Measured -60 dBc/Hz typ
- Harmonics: > 30 dBc max - Measured -45 dBc
- Sub Harmonics: (f/2, 3f/2) -55 dBc max- Measured -55 dBc
- Pulling: +/-1 MHz max @ VSWR 2.0:1
- Pushing: +/-500 kHz/V

Click here for more details...
http://www.pmi-rf.com/Products/dto/DTO-6G19G-CD-1.htm

10.0 PMI Model No. MARPS-30M6G-3U-1
PMI's Multi-agent radio frequency path simulator consists of an integrated amplified attenuator assembly and an 8-Way Amplified Power Divider that operates over the 30 MHz to 6.0 GHz frequency range in order to simulate field testing in a reduced, controlled lab environment.

- Frequency Range: 30 MHz to 6.0 GHz
- Gain (Input 1-8 to Output 1): 6.0 dB min - Measured 7.0 dB min
  10.0 dB Nom - Measured 11.5 dB max
- Gain (Input 9 to Output 1): -5 B min - Measured -2.6 dB min
  0 dB Nom - Measured 0.5 dB nom
  5 dB max - Measured 3.5 dB max
- Insertion Loss
  (Input 10 to Outputs 2 Thru 9): -4.0 dB min - Measured -4.5 dB
  -8.0 dB max - Measured -7.4 dB max
- Isolation
  (Between Inputs 1 Thru 9): -29.0 dB min
-36.0 dB nom - Measured 30 dB

- Attenuation Range
  (Inputs 1 Thru 8 to Output 1): 127.5 dB - Measured 124.3 dB
- External +5 VDC Supply Via 78 Pin Connectors: +5 VDC/8A

Click here for more details...
http://www.pmi-rf.com/Products/multifunctionmodules/MARPS-30M6G-3U-1.htm

*** For more information on PMI's complete line of products, please visit ***
http://www.pmi-rf.com/index.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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