New Products Released by
PLANAR MONOLITHICS INDUSTRIES, INC (PMI)
on November 11, 2013

- 1.0 2SFB-8G26G-CD-SFF Rev C: 8.62 to 8.70GHz, 2 Channel Switch Filter Bank
- 2.0 GMTA-1005: 8.0 to 18.0GHz, Fixed Level Threshold Detector
- 3.0 HADA-D2002: 2.0 to 18.0GHz, SDLVA with a dynamic range of 40dB
- 4.0 LM-1G2G-N15-33DBM-12V: 1.0 to 2.0GHz, Active Limiter with output leakage power of -15dBm max
- 5.0 LM-2G18G-2D8-33DBM-12V: 2.0 to 18.0GHz, Active Limiter with output leakage power of +2.8dBm max
- 6.0 LM-8G18G-7-33DBM-12V: 8.0 to 18.0GHz, Active Limiter with output leakage power of +7.1dBm max
- 7.0 LM-500M8G-2-33DBM-12V: 0.5 to 8.0GHz, Active Limiter with output leakage power of +2.3dBm max
- 8.0 P2T-8G12G-90-T-SFF: 8.0 to 12.0GHz, SP2T Terminated Solid State Switch
- 9.0 P2T-9D25G-80-R-SFF-3W: 9.25GHz, +/-30MHz, SP2T Reflective Pin Diode Switch
- 10.0 PIQ-2G18G-360-16-CD-1: 2.0 to 18.0GHz, High Performance I/Q Vector Modulator
- 11.0 TD-30T-SHS-218-2G4G-PECL: 2.0 to 18.0GHz (Optimized for 2.0 to 4.0GHz), High Speed LVPECL Threshold Detector
- 12.0 SDLVA-0R81R6-75-CD-3: 850 to 1550Mhz, SDLVA with a dynamic range of 75dB

1.0 - 8.62 to 8.70GHz, 2 Channel Switch Filter Bank

PMI Model No. 2SFB-8G26G-CD-SFF Rev C

PMI Model No. 2SFB-8G26G-CD-SFF Rev C is a 2 channel switch filter bank providing a low-pass filter that passes 8.62 to 8.70GHz with a rejection band of 17.24 to 17.4GHz. In by-pass mode the unit passes signals from 8.0GHz to 26.5GHz. This unit is powered by a +5V single supply and the control logic is TTL/CMOS +5V compatible.

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/filters/2SFB-8G26G-CD-SFFRevC.htm

2.0 - 8.0 to 18.0GHz, Fixed Level Threshold Detector
PMI Model No. GMTA-1005

PMI Model No. GMTA-1005 is a threshold detector designed to operate over the frequency range of 8.0 to 18.0GHz. It has a fixed threshold level of -42dBm with threshold stability of +/-3.0dBm over frequency and temperature.

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/detectors/GMTA-1005.htm

3.0 - 2.0 to 18.0GHz, SDLVA with a dynamic range of 40dB

PMI Model No. HADA-D2002

PMI Model No. HADA-D2002 is a Detector Log Video Amplifier (DLVA) that operates between the frequency range of 2.0 to 18.0GHz. It has a dynamic range of 40dB with a log slope of 50mV/db and a nominal video bandwidth of 12MHz. This unit has been designed with cutting edge technology which provides stunning performance an high reliability in a compact package making it an optimum solution for high speed channelized receiver applications.

Please Click PMI Website Link,

4.0 - 1.0 to 2.0GHz, Active Limiter with output leakage power of -15dBm max

PMI Model No. LM-1G2G-N15-33DBM-12V

PMI Model No. LM-10G-3-26DBM-12V is an active limiter that operates over a frequency range of 1.0 to 2.0GHz with maximum input power of +33dBm CW and a maximum leakage power of -15dBm. The VSWR is 2.0:1 and the operating voltage is +12VDC with a typical current draw of 250mA. The unit is supplied with SMA(F) connectors in a housing that measures 1.92" x 0.78" x 0.36"

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/limiters/LM-1G2G-N15-33DBM-12V.htm

5.0 - 2.0 to 18.0GHz, Active Limiter with output leakage power of +2.8dBm max
PMI Model No. LM-2G18G-2D8-33DBM-12V

PMI Model No. LM-2G18G-2D8-33DBM-12V is an active limiter that operates over a frequency range of 2.0 to 18.0GHz with max input power of +33dBm CW and a maximum leakage power of +2.8dBm. The VSWR is 2.0:1 max the operating voltage is +12VDC with a current draw of 180mA max.. The unit is supplied with removable SMA(F) connectors in our standard PE2 housing.

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/limiters/LM-2G18G-2D8-33DBM-12V.htm

6.0 - 8.0 to 18.0GHz, Active Limiter with output leakage power of +7.1dBm max

PMI Model No. LM-8G18G-7-33DBM-12V

PMI Model No. LM-8G18G-7-33DBM-12V is an active limiter that operates over a frequency range of 8.0 to 18.0GHz with a maximum input power of +33dBm CW and a maximum leakage power of +7.1dBm. The VSWR is 2.0:1 and the operating voltage is +12VDC with a maximum current draw of 100mA. The unit is supplied with removable SMA(F) connectors in our standard PE2 housing.

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/limiters/LM-8G18G-7-33DBM-12V.htm

7.0 - 0.5 to 8.0GHz, Active Limiter with output leakage power of +2.3dBm max

PMI Model No. LM-500M8G-2-33DBM-12V

PMI Model No. LM-500M8G-2-33DBM-12V is an active limiter that operates over a frequency range of 0.5 to 8.0GHz with a maximum input power of +33dBm CW and a maximum leakage power of +2.3dBm. The VSWR is 2.0:1 and the operating voltage is +12VDC with a typical current draw of 180mA. The unit is supplied with removable SMA(F) connectors in our standard PE2 housing.

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/limiters/LM-500M8G-2-33DBM-12V.htm
8.0 - 8.0 to 12.0GHz, SP2T Terminated Solid State Switch

PMI Model No. P2T-8G12G-90-T-SFF

PMI Model No. P2T-8G12G-90-T-SFF is a single pole, two throw terminated solid state switch. This model operates over the frequency range of 8.0 to 12.0GHz and has a typical insertion loss of 2.4dB, isolation of 75dB minimum and a typical switching speed of 15nsec. This unit is capable of operating with RF input power levels up to 20dBm CW and is supplied in a small package measuring only 1.0" x 1.0" x 0.5" having SMA female connectors.

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/switches/P2T-8G12G-90-T-SFF.htm

9.0 - 9.25GHz, +/-30MHz, +34dBm CW, SP2T Reflective Pin Diode Switchwith 80dB Isolation

PMI Model No. P2T-9D25G-80-R-SFF-3W

PMI Model No. P2T-9D25G-80-R-SFF-3W is a single pole, two throw, reflective pin diode switch that operates over a single frequency range of 9.25 +/- 30MHz. This model has a maximum insertion loss of 34dBm CW and a minimum isolation specification of 80dB. It operates at 34dBm CW max, or +33dBm, 2 microsecond pulse width (PW) and 8KHz (operating).

PMI Website Link,
http://www.pmi-rf.com/Products/switches/P2T-9D25G-80-R-SFF-3W.htm

10.0 - 2.0 to 18.0GHz, High Performance I/Q Vector Modulator
PMI Model No. PIQ-2G18G-360-16-CD-1

PMI Model No. PIQ-2G18G-360-16-CD-1 is a 2.0 to 18.0GHz, high performance I/Q Vector Modulator with 2 x 12 bit monotonic TTL compatible channels (I and Q). This model offers a full 360 degrees of phase shift with a minimum of 16dB of amplitude control.

PMI Website Link,
http://www.pmi-rf.com/Products/iq_vector_modulator/PIQ-2G18G-360-16-CD-1.htm

11.0 - 2.0 to 18.0GHz (Optimized for 2.0 to 4.0GHz), High Speed LVPECL Threshold Detector

PMI Model No. TD-30T-SHS-218-2G4G-PECL

PMI Model No. TD-30T-SHS-218-2G4G-PECL is a high speed, LVPECL logic output threshold detector designed to operate from 2.0 to 18.0GHz, but optimized for 2.0 to 4.0GHz. This detector has a propagation delay of 15ns max and has a LVPECL output.

PMI Website Link,
http://www.pmi-rf.com/Products/detectors/TD-30T-SHS-218-2G4G-PECL.htm

12.0 - 850 to 1550Mhz, SDLVA with a dynamic range of 75dB

PMI Model No. SDLVA-0R81R6-75-CD-3

PMI Model No. SDLVA-0R81R6-75-CD-3 is a Successive Detection Log Video Amplifier (SDLVA) that operates between the 850 to 1550MHz frequency range. It has a dynamic range of 75dB, a log slope of 40mV/db and a nominal video bandwidth of 20MHz. Furthermore, it has been designed using cutting edge GaAs technology which provides stunning performance and reliability in a compact package making it an optimum solution for high speed channelized receiver applications.

PMI Website Link,
http://www.pmi-rf.com/Products/SDLVA/SDLVA-0R81R6-75-CD-3.htm
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)

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