New Products Released by PLANAR MONOLITHICS INDUSTRIES, INC (PMI) on October 2, 2014

- **1.0** [DTA-0R5G18G-60-CD-1](#): 20.5 to 18.0GHz, 10-Bit Programmable Attenuator

- **2.0** [FD-74M-10M-1212](#): 74MHz, Frequency Discriminator

- **3.0** [BRF-26D6G-800M-CD-1](#): 26.2 to 27.0GHz, Band Reject Filter with two passbands

- **4.0** [7CL7D86G-960-CD-SFF](#): Bandpass Filter centered at 7860MHz

- **5.0** [7CL9D66G-960-CD-SFF](#): Bandpass Filter centered at 9660MHz

- **6.0** [12CL11D8G-1400-CD-SFF](#): Bandpass Filter centered at 11800MHz

- **7.0** [5CL9D18G-180-CD-SFF](#): Bandpass Filter centered at 9180

- **8.0** [5CL10D14G-180-CD-SFF](#): Bandpass Filter centered at 10140MHz

- **9.0** [5CL10D98G-180-CD-SFF](#): Bandpass Filter centered at 10980MHz

- **10.0** [5CL11D94G-180-CD-SFF](#): Bandpass Filter centered at 11940MHz

- **11.0** [5CL12D9G-180-CD-SFF](#): Bandpass Filter centered at 12900MHz

- **12.0** [7CL6D9G-960-CD-SFF](#): Bandpass Filter centered at 6900MHz

- **13.0** [7CL8D7G-960-CD-SFF](#): Bandpass Filter centered at 8700MHz

- **14.0** [7CL10D62G-960-CD-SFF](#): Bandpass Filter centered at 10620MHz

- **15.0** [TD-30T-SHS-218-8G12G-PECL](#): 8.0 to 12.0GHz, LVPECL logic output Threshold Detector

- **16.0** [LP11G-12D7G-CD-SFF](#): Microstrip, Low Pass Filter with a passband of DC to 10000MHz

- **17.0** [PTRAN-100M18G-SFB-3UVPX-MAH](#): 100MHz to 18.0GHz, 3U Open VPX Transceiver

- **18.0** [PEC2-2G18G-2DBM-LM-SFF](#): 2.0 to 18.0GHz, Integrated RF Module that contains an Input Limiter, Limiting Amplifier and output fixed Attenuator

- **19.0** [SDLVA-500M4G-CD-2](#): 0.5 to 4.0GHz, SDLVA with 55dB of small signal gain

- **20.0** [10CL1380-60-CD-SFF](#): Bandpass Filter centered at 13800MHz

- **21.0** [7CL1500-60-CD-SFF](#): Bandpass Filter centered at 15000MHz

- **22.0** [8CL1860-40-CD-SFF](#): Bandpass Filter centered at 18600MHz
New Product Listings

1.0: **20.5 to 18.0GHz, 10-Bit Programmable Attenuator**

![PMI Model No. DTA-0R5G18G-60-CD-1](image)

PMI Model No. DTA-0R5G18G-60-CD-1 is a non-reflective, 10 bit, programmable 60dB pin diode attenuator with step resolution as low as 0.06dB over the frequency range of 0.5 to 18.0GHz. This model is offered in a slim line housing measuring only 0.5" in height.

Please Click PMI Website Link, [http://www.pmi-rf.com/Products/attenuators/DTA-0R5G18G-60-CD-1.htm](http://www.pmi-rf.com/Products/attenuators/DTA-0R5G18G-60-CD-1.htm)

2.0: **74MHz, Frequency Discriminator**

![PMI Model No. FD-74M-10M-1212](image)

PMI Model No. FD-74M-10M-1212 is a Frequency Discriminator that operates at a center frequency of 74MHz. It has a peak to peak band width of 30MHz and a linear bandwidth of 10MHz minimum. With a dynamic range of -10 to 0dBm, the sensitivity into a 93 Ohm load is 100mV/MHz. This unit offers a maximum rise time of 50nS. It is supplied with SMA(F) connectors in a housing measuring 4.625" x 1.5" x 0.47"

Please Click PMI Website Link, [http://www.pmi-rf.com/Products/discriminator/FD-74M-10M-1212.htm](http://www.pmi-rf.com/Products/discriminator/FD-74M-10M-1212.htm)

3.0: **26.2 to 27.0GHz, Band Reject Filter with two passbands**
PMI Model No. BRF-26D6G-800M-CD-1

PMI Model No. BRF-26D6G-800M-CD-1 is a 26.2 to 27.0GHz, Band Reject Filter with two passbands that have a typical insertion loss of 4.0dB and a typical return loss of 2.5:1. The power handling of the passbands is +10dB max. The unit is supplied with 2.4mm(F) connectors in a housing measuring 1.5" x 0.75" x 0.4".

Please Click PMI Website Link, http://www.pmi-rf.com/Products/filters/BRF-26D6G-800M-CD-1.htm

4.0: Bandpass Filter centered at 7860MHz

PMI Model No. 7CL7D86G-960-CD-SFF

PMI Model No. 7CL7D86G-960-CD-SFF is a band pass filter centered at 7860MHz. The nominal bandwidth is 960MHz.

Please Click PMI Website Link, http://www.pmi-rf.com/Products/filters/7CL7D86G-960-CD-SFF.htm

5.0: Bandpass Filter centered at 9660MHz

PMI Model No. 7CL9D66G-960-CD-SFF

PMI Model No. 7CL9D66G-960-CD-SFF is a band pass filter centered at 9660MHz. The nominal bandwidth is 960MHz.

Please Click PMI Website Link, http://www.pmi-rf.com/Products/filters/7CL9D66G-960-CD-SFF.htm
6.0: Bandpass Filter centered at 11800MHz

PMI Model No. 12CL11D9G-1400-CD-SFF

PMI Model No. 12CL11D9G-1400-CD-SFF is a a band pass filter centered at 11800MHz. The nominal bandwidth is 1400MHz.

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/filters/12CL11D8G-1400-CD-SFF.htm

7.0: Bandpass Filter centered at 9180

PMI Model No. 5CL9D18G-180-CD-SFF

PMI Model No. 5CL9D18G-180-CD-SFF is a a band pass filter centered at 9180MHz. The nominal bandwidth is 180MHz.

Please Click PMI Website Link,

8.0: Bandpass Filter centered at 10140MHz

PMI Model No. 5CL10D14G-180-CD-SFF

PMI Model No. 5CL10D14G-180-CD-SFF is a a band pass filter centered at 10140MHz. The nominal bandwidth is 180MHz.
9.0: Bandpass Filter centered at 10980MHz

PMI Model No. 5CL10D98G-180-CD-SFF

PMI Model No. 5CL10D98G-180-CD-SFF is a band pass filter centered at 10980MHz. The nominal bandwidth is 180MHz.

Please Click PMI Website Link, 
http://www.pmi-rf.com/Products/filters/5CL10D98G-180-CD-SFF.htm

10.0: Bandpass Filter centered at 11940MHz

PMI Model No. 5CL11D94G-180-CD-SFF

PMI Model No. 5CL11D94G-180-CD-SFF is a band pass filter centered at 11940MHz. The nominal bandwidth is 180MHz.

Please Click PMI Website Link, 
http://www.pmi-rf.com/Products/filters/5CL11D94G-180-CD-SFF.htm

11.0: Bandpass Filter centered at 12900MHz

PMI Model No. 5CL12D9G-180-CD-SFF

PMI Model No. 5CL12D9G-180-CD-SFF
PMI Model No. 5CL12D9G-180-CD-SFF is a band pass filter centered at 12900MHz. The nominal bandwidth is 180MHz.


12.0: Bandpass Filter centered at 6900MHz

PMI Model No. 7CL6D9G-960-CD-SFF is a band pass filter centered at 6900MHz. The nominal bandwidth is 960MHz.

Please Click PMI Website Link, http://www.pmi-rf.com/Products/filters/7CL6D9G-960-CD-SFF.htm

13.0: Bandpass Filter centered at 8700MHz

PMI Model No. 7CL8D7G-960-CD-SFF is a band pass filter centered at 8700MHz. The nominal bandwidth is 960MHz.

Please Click PMI Website Link, http://www.pmi-rf.com/Products/filters/7CL8D7G-960-CD-SFF.htm

14.0: Bandpass Filter centered at 10620MHz
PMI Model No. 7CL10D62G-960-CD-SFF

PMI Model No. 7CL10D62G-960-CD-SFF is a band pass filter centered at 10620MHz. The nominal bandwidth is 960MHz.

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/filters/7CL10D62G-960-CD-SFF.htm

15.0: 8.0 to 12.0GHz, LVPECL logic output Threshold Detector

PMI Model No. TD-30T-SHS-218-8G12G-PECL

PMI Model No. TD-30T-SHS-218-8G12G-PECL is a high speed, LVPECL logic output threshold detector. This unit is designed to operate within the frequency range of 8.0 to 12.0GHz and has a propagation delay of 15ns max.

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/amplifiers/PE2-30-2R04R0-1R5-21-8V-SFF.htm

16.0: Microstrip, Low Pass Filter with a passband of DC to 10000MHz

PMI Model No. LP11G-12D7G-CD-SFF

PMI Model No. LP11G-12D7G-CD-SFF is a microstrip, lowpass filter with SMA female connectors in and out. This unit 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.

Please Click PMI Website Link,
17.0: **100MHz to 18.0GHz, 3U Open VPX Transceiver**

**PMI Model No. PTRAN-100M18G-SFB-3UVPX-MAH**

PMI Model No. PTRAN-100M18G-SFB-3UVPX-MAH is a transceiver covering the frequency range of 100MHz to 18GHz. The transceiver fits into a 3U Open VPX from factor utilizing the high speed VITA 67 RF Connector. This unit up-converts a 100MHz to 4GHz transmit signal to the 2.0 to 18.0GHz range. It also down converts a 100MHz to 18GHz received signal to the 100MHz to 4GHz intermediate frequency range for analog to digital conversion. A receive filter bank incorporates a 2-way absorptive switch to select an input, along with two 6-way switches allowing one of the six filter paths to be chosen. A filter bank is used also on the transmit path, with two 6-way switches allowing one of the six filter paths to the chosen.

Please Click PMI Website Link,
http://www.pmi-rf.com/products/multifunctionmodules/PTRAN-100M18G-SFB-3UVPX-MAH.htm

18.0: **2.0 to 18.0GHz, Integrated RF Module that contains an Input Limiter, Limiting Amplifier and output fixed Attenuator**

**PMI Model No. PEC2-2G18G-2DBM-LM-SFF**

PMI Model No. PEC2-2G18G-2DBM-LM-SFF is an integrated RF module that contains an input limiter, limiting amplifier and output fixed attenuator which is designed for Military and Industrial applications where a stable, limited output level is required. This module is supplied in a SMA connectorized housing. [Other frequency ranges and limited output levels available.]

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/amplifiers/PEC2-2G18G-2DBM-LM-SFF.htm

19.0: **0.5 to 4.0GHz, SDLVA with 55dB of small signal gain**

**PMI Model No. SDLVA-500M4G-CD-2**

PMI Model No. SDLVA-500M4G-CD-2 is a Successive Detection Logarithmic Video Amplifier
SDLVA designed to operate over the 500MHz to 4.0GHz frequency range. This model is designed for ultra high speed applications while maintaining flatness and accuracy. It is supplied with SMA(F) connectors in a housing measuring 3.2” x 1.8” x 0.4”.

Please Click PMI Website Link, http://pmi-rf.com/Products/SDLVA/SDLVA-500M4G-CD-2.htm

20.0: **Bandpass Filter centered at 1380MHz**

![](image)

PMI Model No. 10CL1380-60-CD-SFF

PMI Model No. 10CL1380-60-CD-SFF is a a band pass filter centered at 1380MHz with SMA(F) connectors in and out.

Please Click PMI Website Link, http://www.pmi-rf.com/Products/filters/10CL1380-60-CD-SFF.htm?btnSearch=filters/10CL1380-60-CD-SFF

21.0: **Bandpass Filter centered at 1500MHz**

![](image)

PMI Model No. 7CL1500-60-CD-SFF

PMI Model No. 7CL1500-60-CD-SFF is a a band pass filter centered at 1500MHz with SMA(F) connectors in and out.

Please Click PMI Website Link, http://www.pmi-rf.com/Products/filters/7CL1500-60-CD-SFF.htm

22.0: **Bandpass Filter centered at 1860MHz**
**PMI Model No. 8CL1860-40-CD-SFF**

PMI Model No. 8CL1860-40-CD-SFF is a band pass filter centered at 1860MHz with SMA(F) connectors in and out.

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/filters/8CL1860-40-CD-SFF.htm

**23.0: Bandpass Filter centered at 1980MHz**

**PMI Model No. 8CL1980-40-CD-SFF**

PMI Model No. 8CL1980-40-CD-SFF is a band pass filter centered at 1980MHz. The nominal bandwidth is 40MHz.

Please Click PMI Website Link,

**24.0: 9.25GHZ(+/-30MHz), High Speed SPST Switch**

**PMI Model No. P1T-9D25G-90-T-SFF**

PMI Model No. P1T-9D25G-90-T-SFF is a high speed, solid state, single pole single throw switch capable of switching within 20ns. The frequency range is 9.25GHz (+/- 30MHz) with > 90Db of isolation.

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/Switches/P1T-9D25G-90-T-SFF.htm
25.0: **2.0 to 18.0GHz, Threshold Detector**

PMI Model No. GMTA-1002-1

PMI Model No. GMTA-1002-1 is a 2.0 to 18.0GHz Threshold Detector with an input operating range of -18 to -23dBm and a maximum input VSWR of 2.5:1. This unit has a minimum threshold level of -23dBm and a threshold setting stability of ±3.0dB over temperature and frequency. It is supplied with SMA(F) connectors in a housing measuring 1.0" x 0.65" x 0.3".

Please Click PMI Website Link, http://www.pmi-rf.com/Products/detectors/GMTA-1002-1.htm

26.0: **6.0 to 12.0GHz, 8-Bit Programmable Attenuator**

PMI Model No. DVAN-6012-60-8

PMI Model DVAN-6012-60-8 is an 8-Bit programmable 60dB pin diode attenuator with step resolution as low as 0.25dB over the frequency range of 6.0 to 12.0GHz.

Please Click PMI Website Link, http://www.pmi-rf.com/Products/attenuators/DVAN-6012-60-8.htm

27.0: **30MHz to 3.0GHz, High Power Limiter**

PMI Model No. LM-30M3G-C3-1

PMI Model No. LM-30M3G-C3-1 is a high power limiter that operates from 30MHz to 3.0GHz. This limiter can handle input power levels up to 5 watts CW and provides a maximum leakage of +10dBm. The insertion loss is 1.2dB maximum with a maximum VSWR of 1.5:1. The recovery time is less than 1usec. This limiter is offered in a coaxial package measuring only 1.314" x 0.375" diameter.
28.0: **2.0 to 18.0GHz, Low Noise Medium Power Amplifier**

PMI Model No. **PEC-30-2G18G-4R5-24-12-SFF-HOIP**

PMI Model No. PEC-30-2G18G-4R5-24-12-SFF-HOIP is a 2.0 to 18.0GHz, Low Noise Medium Power Amplifier. It offers high gain, low VWSR and comes equipped with SMA(F) connectors.

Please Click PMI Website Link, http://www.pmi-rf.com/Products/amplifiers/PEC-30-2G18G-4R5-24-12-SFF-HOIP.htm

29.0: **8.0 to 18.0GHz, 30dB Gain, Low Noise Amplifier**

PMI Model No. **PE2-30-8R018R0-3R5-22-12-SFF**

PMI Model No. PE2-30-8R018R0-3R5-22-12-SFF is an 8.0 to 18.0GHz, Low Noise Amplifier with a typical gain of 30dB while maintaining a maximum gain flatness of ±1.5dB over the operating frequency. The typical noise figure is 3.5 and offers a minimum OP1dB of 20dBm. The operating voltage is +12 to +15VDC with a maximum current draw of 325mA. It is supplied with removable SMA(F) connectors in our standard PE2 housing.

Please Click PMI Website Link, http://www.pmi-rf.com/Products/amplifiers/PE2-30-8R018R0-3R5-22-12-SFF.htm

---

**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](#)
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,

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