**New Products Released & Product Updates by PLANAR MONOLITHICS INDUSTRIES, INC (PMI) on July 03, 2015**

**NEW PRODUCTS**

**SDLVA**
1.0 **SDLVA-100M18G-CW-70-MAH**: 100 MHz to 18.0 GHz, Successive Detection Log Video Amplifier (SDLVA).

**Filters**
2.0 **15CL32G-16G-292FF**: 24.0 to 40.0 GHz, Bandpass Filter.

**Switches (Solid State)**
3.0 **P2T-6G18G-40-R-570-TFF-1D6KW**: 6.0 to 18.0 GHz, Reflective 1.6 Kilowatt High Power Cold Switching Single Pole Double Throw Switch.

4.0 **P1T-DC40G-65-T-292FF-1NS-OPT27G**: 0.05 to 27.0 GHz, Absorptive, Single Pole, Single Throw, Pin Diode Switch.

5.0 **P4T-9D25G-60-R-SFF-5W**: 9.25 GHz (+/-30 MHz), Solid State, High Speed, Single Pole Four Throw Reflective Switch.

**Power Dividers**
6.0 **APD-8-30M6G-SFF**: 30 MHz to 6.0 GHz, 8-Way Amplified Power Divider Module.

**Low Noise Amplifiers**
7.0 **PEC-38-30M18G-12-SFF**: 30 MHz to 18.0 GHz, Broadband, Low Noise Amplifier.

**Power Detector Modules**
8.0 **PMOD-PWR-1030M-ATN-SFF**: 1030 MHz +/-0.01 MHz, Power Detector Module.
PRODUCT UPDATES

Phase Shifter
9.0 **PS-90-1020-101F-512**: 1.0 to 1.12 GHz, Bi-Phase Modulator/Phase Shifter.

SDLVA
10.0 **SDLVA-418-65-16MV-12DBM**: 4.0 to 18.0 GHz, Successive Detection Log Video Amplifier (SDLVA).

NEW PRODUCT LISTINGS

1.0: **100 MHz to 18.0 GHz, Successive Detection Log Video Amplifier (SDLVA)**

![SDLVA-100M18G-CW-70-MAH](image)

**PMI Model No. SDLVA-100M18G-CW-70-MAH**

PMI Model No. SDLVA-100M18G-CW-70-MAH is a CW-Immune, Successive Detection Log Video Amplifier operating in the 100MHz to 18.0GHz frequency band. It features an SPST on the RF output which allows for the RF to be turned off when the RF signal is below the adjustable threshold setting. In addition, the output switch can be controlled externally by enabling the external trigger. Furthermore, an LVTTL output is provided for time-gaiting or sampling to assist in digital system integration.

Please Click PMI Website Link,
[http://www.pmi-rf.com/Products/SDLVA/SDLVA-100M18G-CW-70-MAH.htm](http://www.pmi-rf.com/Products/SDLVA/SDLVA-100M18G-CW-70-MAH.htm)

2.0: **24.0 to 40.0 GHz, Bandpass Filter**

![15CL32G-16G-292FF](image)

**PMI Model No. 15CL32G-16G-292FF**

PMI Model No. 15CL32G-16G-292FF is an interdigital bandpass filter having a 1 dB passband from 24 GHz to 40 GHz with a maximum insertion loss of 3.0 dB. This filter offers 40dB rejection from 42 GHz to 50 GHz and 60 dB rejection from DC to 18 GHz. The maximum passband ripple is 1 dB. The package size is 1.281" x 0.600" x 0.350" and is supplied with 2.92 mm female connectors.

Please Click PMI Website Link,

3.0: **6.0 to 18.0 GHz, Reflective 1.6 Kilowatt High Power Cold Switching Single Pole Double Throw Switch**
P2T-6G18G-40-R-570-TFF-1D6KW

PMI Model No. P2T-6G18G-40-R-570-TFF-1D6KW is a 6.0 GHz to 18.0 GHz single-pole, double throw solid-state switch capable of handling input power levels up to 1.6kW peak having a duty cycle of 8% and a pulse width of 250 us. This switch offers low loss of 2.2 dB maximum and 40 dB of isolation with a switching speed of 200 ns maximum. DC operating voltages are +5VDC & -70VDC. The housing is hermetically sealed, measures 2.0" x 2.0" x 0.75" and is supplied with TNC female connectors.

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/Switches/P2T-6G18G-40-R-570-TFF-1D6KW.htm

4.0: 0.05 to 27.0 GHz, Absorptive, Single Pole, Single Throw, Pin Diode Switch

P1T-DC40G-65-T-292FF-1NS-OPT27G

PMI Model No. P1T-DC40G-65-T-292FF-1NS-OPT27G is an absorptive, single pole, single throw, pin diode switch that operates from 50MHz to 27.0GHz. This model incorporates a TTL compatible driver for easy system integration.

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/Switches/P1T-DC40G-65-T-292FF-1NS-OPT27G.htm

5.0: 9.25 GHz (+/-30 MHz), Solid State, High Speed, Single Pole Four Throw Reflective Switch
**PMI Model No. P4T-9D25G-60-R-SFF-5W**

PMI Model No. P4T-9D25G-60-R-SFF-5W is a Solid State, High Speed, Single Pole Four Throw Reflective Switch capable of switching within 50 ns. The frequency range is 9.25 GHz (+/- 30MHz) and offers over 60dB of isolation. This switch can handle input RF Power levels of 37dBm peak and 33dBm CW.

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/Switches/P4T-9D25G-60-R-SFF-5W.htm

**6.0: 30 MHz to 6.0 GHz, 8-Way Amplified Power Divider Module**

![8-Way Amplified Power Divider Module](image)

**PMI Model No. APD-8-30M6G-SFF**

PMI Model APD-8-30M6G-SFF is a 30 MHz to 6.0 GHz amplified 8 way power divider module. This module provides a nominal insertion loss of 6 dB with a typical flatness of ±1 dB over the operating frequency range. Over 36 dB of reverse isolation is provided with a typical noise figure of 6.5 dB and an input 1 dB compression of -2.5 dBm. Input and Output VSWR is less than 2.0:1 into 50 OHM impedance. The DC supply required is +12 to +15 volts and current draw is typically 48 mA. Field removable SMA female connectors are utilized in a housing measuring 4.5" x 4.3" x 0.5".

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/power_divider/APD-8-30M6G-SFF.htm

**7.0: 30 MHz to 18.0 GHz, Broadband, Low Noise Amplifier**

![Broadband, Low Noise Amplifier](image)

**PMI Model No. PEC-38-30M18G-12-SFF**

PMI Model No. PEC-38-30M18G-12-SFF is a broadband, low noise amplifier that operates over the 30MHz to 18GHz frequency range. This model provides 38dB of gain and has a gain flatness of ±2.0dB maximum. The noise figure is 5dB maximum and the OP1dB is +12dBm minimum. This amplifier maintains a maximum VSWR of 2.2:1 into a 50 ohm impedance. The operating voltage is +12VDC and the current is 300mA maximum. The package measures 1.92" x 0.78" x 0.26".

Please Click PMI Website Link,
http://www.pmi-rf.com/products/amplifiers/PEC-38-30M18G-12-SFF.htm
8.0: 1030 MHz +/-0.01 MHz, Power Detector Module

**PMI Model No. PMOD-PWR-1030M-ATN-SFF**

PMI Model No. PMOD-PWR-1030M-ATN-SFF is a power detector module. The operating frequency is 1030MHz +/-0.01MHz. Two pairs of forward and reverse signals are input allowing for a 12 bit linear digital output proportional to the input power. A GUI is provided to interface through ethernet and allow MCU programming, unit calibration and setting of the variable attenuators.

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/multifunctionmodules/PMOD-PWR-1030M-ATN-SFF.htm

**PRODUCT UPDATES**

9.0: 1.0 to 1.12 GHz, Bi-Phase Modulator/Phase Shifter

**PMI Model No. PS-90-1020-101F-512**

PMI Model No. PS-90-1020-101F-512 is a 0 to 180 Degree Bi-Phase Modulator/Phase Shifter operating over a frequency range of 1.0 to 1.12GHz with a maximum insertion loss of 2.0dB and VSWR better than 1.7:1. This model provides two phase states, namely 0 degrees and 180 degrees and is controlled via single line TTL. The phase state is switched in 30nsec or less and can handle input power levels up to +20dBm CW. DC voltage requirement is +5 and -12VDC. This unit is supplied in a package measuring 1.0” x 1.0” x 0.5”. Other frequency ranges are available.

Please Click PMI Website Link,

10.0: 4.0 to 18.0 GHz, Successive Detection Log Video Amplifier (SDLVA)

**PMI Model No. SDLVA-418-65-16MV-12DBM**
PMI Model No. SDLVA-418-65-16MV-12DBM is a successive detection log video amplifier (SDLVA) that operates between the 4.0 to 18.0GHz frequency range. It has a dynamic range of 65dB, a nominal log slope of 16.7mV/dB. Furthermore, it has been designed using cutting edge GaAs technology which provides stunning performance and reliability in a compact package.

Please Click PMI Website Link, http://www.pmi-rf.com/Products/SDLVA/SDLVA-418-65-16MV-12DBM.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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