New Products Released/ Product Updates by PLANAR MONOLITHICS INDUSTRIES, INC (PMI) on July 3, 2014

New Products

- **1.0 PE2-30-2R04R0-1R5-21-8V-SFF**: 2.0 to 4.0GHz, 30dB Gain, Low Noise Amplifier
- **2.0 PE2-30-2R04R0-1R5-21-12-SFF**: 2.0 to 4.0GHz, 30dB Gain, Low Noise Amplifier
- **3.0 PXO-100M-CD-1**: 100MHz, Sinewave Crystall Controlled Oscillator with coaxial output connector
- **4.0 PLO-9G-CD-1**: Phase Locked Oscillator with output frequency of 9.0GHz
- **5.0 P9T-500M40G-60-R-292FF-OPT1222**: 0.5 to 18.0GHz, High Speed SP9T Reflective Switch (Optimized for 12.0 to 22.0GHz)

Updated Product Pages

- **6.0 P8T-0R1G20G-110-T-512-SFF**: 0.1 to 20.0GHz, SP8T High Speed, Absorptive Switch
- **7.0 PE2-34-2G18G-3R5-15-SFF-VVG-DD**: 2.0 to 18.0GHz (Optimized for 5.5 to 18.0GHz), Voltage Variable Gain Amplifier with integrated Diode Detector

New Product Listings

**1.0**: 2.0 to 4.0GHz, 30dB Gain, Low Noise Amplifier

PMI Model No. PE2-30-2R04R0-1R5-21-8V-SFF
PMI Model No. PE2-30-2R04R0-1R5-21-8V-SFF is a 2.0 to 4.0GHz, Low Noise Amplifier that typically provides 30dB of gain while maintaining a maximum gain flatness of +/-1.0dB over the operating frequency. The typical noise figure is 1.5dB and offers a minimum OP1dB of +21dBm. The amplifier requires +8VDC and has a nominal current draw of 300mA. 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/amplifiers/PE2-30-2R04R0-1R5-21-8V-SFF.htm

2.0: 2.0 to 4.0GHz, 30dB Gain, Low Noise Amplifier

PMI Model No. PE2-30-2R04R0-1R5-21-12-SFF

PMI Model No. PE2-30-2R04R0-1R5-21-12-SFF is a 2.0 to 4.0GHz, Low Noise Amplifier that typically provides 30dB of gain while maintaining a maximum gain flatness of +/-1.0dB over the operating frequency. The typical noise figure is 1.5dB and offers a minimum OP1dB of +21dBm. The amplifier requires +12 to +15VDC and has a nominal current draw of 300mA. 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/amplifiers/PE2-30-2R04R0-1R5-21-12-SFF.htm

3.0: 100MHz, Sinewave Crystal Controlled Oscillator with coaxial output connector

PMI Model No. PXO-100M-CD-1

PMI Model No. PXO-100M-CD-1 is a 100MHz, Sinewave Crystal Controlled Oscillator with coaxial output connector. This model provides minimum output power of +7dBm with all spurs held to -60dBc (10MHz to 500MHz) and harmonics and sub-harmonics held to -40dBc. It requires DC power of +15V ±5% 40mA max and is in a housing that measures 2.0 " 2.0" x 0.75".

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/DRO/PXO-100M-CD-1.htm

4.0: Phase Locked Oscillator with output frequency of 9.0GHz
PMI Model No. PLO-9G-CD-1

PMI Model No. PLO-9G-CD-1 is a Phase Locked Oscillator with an output frequency of 9.0GHz. This model provides minimum output power of +21dB with all spurs held to -60dBc and harmonics held to -25dBc. The unit has a VSWR or <1.5:1 for all phases and is supplied with SMA(F) connectors in a housing that measures 2.25” x 2.25” x 0.63”

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/DRO/PLO-9G-CD-1.htm

5.0: 0.5 to 18.0GHz, High Speed SP9T Reflective Switch (Optimized for 12.0 to 22.0GHz)

PMI Model No. P9T-500M40G-60-R-55-292FF-OPT1222

PMI Model No. P9T-500M40G-60-R-55-292FF-OPT1222 is a high speed, single pole, nine throw, reflective switch capable of switching within 100ns. The frequency range is 0.5 to 40GHz (-OPT1222 is optimized over 12.0 to 22.0GHz) and it has over 60dB of isolation.

Please Click PMI Website Link,
http://www.pmi-rf.com/Products/Switches/P9T-500M40G-60-R-55-292FF-OPT1222.htm

Product Page Updates

6.0: 0.1 to 20.0GHz, SP8T High Speed, Absorptive Switch

PMI Model No. P8T-0R120G-110-T-512-SFF
PMI Model No. P8T-0R1G20G-110-T-512-SFF is a high speed, single pole, eight throw, absorptive switch capable of switching within 300nsec. The frequency range is 0.1 to 20.0GHz and has over 110dB of isolation.

Please Click PMI Website Link, http://www.pmi-rf.com/Products/Switches/P8T-0R120G-110-T-512-SFF.htm

7.0: 2.0 to 18.0GHz (Optimized for 5.5 to 18.0GHz), Voltage Variable Gain Amplifier with integrated Diode Detector

PMI Model No. PE2-34-2G18G-3R5-15-SFF-VVG-DD

PMI Model No. PE2-34-2G18G-3R5-15-SFF-VVG-DD is a voltage variable gain amplifier with integrated diode detector operating over the frequency range of 2.0 to 18.0GHz. This amplifier is supplied in our standard PE2 housing that can be used as SMA connectorized or as a surface mount component. It is optimized for 5.5 to 18.0GHz.


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

Dielectric Resonator Oscillators  I/Q Vector Modulators  Frequency Synthesizers
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,

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