New Products Released by
PLANAR MONOLITHICS INDUSTRIES, INC (PMI)
on MAY 2, 2013

100 MHz to 2.0GHz, SP4T, Absorptive

PMI Model No. P4T-100M2G-50-T-SFF-IN
PMI Model No. P4T-100M2G-50-T-SFF-IN is an absorptive, single pole, four throw solid-state switch that operates over the 100MHz to 2.0GHz frequency range. The insertion loss is less than 3dB and offers port to port isolation of over 50dB. The switching speed is 25nsec maximum and the rise and fall times are less than 10nsec. The control is via four independent TTL lines with Logic "0" being the low-loss state and Logic "1" being the isolation state. This switch operates on ±5VDC and is supplied with SMA female connectors. The compact package measures only 1.0" x 1.2" x 0.24"

Please click PMI Website Link,
http://www.pmi-rf.com/products/switches/P4T-100M2G-50-T-SFF-IN.htm

2.0 to 18.0GHz, 20dB Gain, Low Noise Amplifier

PMI Model No. PBB-20-218-16-LCA
PMI Model No. PBB-20-218-16-LCA is a 2.0 to 18.0GHz Low Noise Amplifier which provides 20dB of gain while maintaining a gain flatness of ±2.0dB maximum over the operating frequency. The noise figure is 4dB typical and offers a typical OP1dB of +14dBm minimum. The amplifier requires +12 to +15VDC and the current draw is 150mA typical. The unit is supplied with SMA(F) connectors in our standard PE2 housing.

Please click PMI Website Link,
500MHz to 18GHz, positive gain slope, Low Noise Amplifier

PMI Model No. PE2-1020-R518-15-SFF

PMI Model No. PE2-1020-R518-12-SFF is a low noise amplifier that offers a positive gain slope versus frequency. This type of amplifier is useful when trying to equalize frequency flatness over a broad bandwidth. This model provides 10dB of gain at 500MHz and 20dB of gain at 18GHz. The noise figure is 10dB at 500MHz and 9dB at 18GHz. The OP1dB is +14dBm minimum and the maximum VSWR is 2.5:1. The operating voltage is +15VDC and the current draw is 140mA typical. This model is supplied in PMI's standard PE2 housing. Other gain levels and frequency ranges are available.

Please click PMI Website Link,

2.0 to 18.0GHz, 33dB Gain, Low Noise Amplifier

PMI Model No. PEC3-33-218-20-15-SFF-HS-E

PMI Model No. PEC3-33-218-20-15-SFF-HS-E is a 2.0 to 18.0GHz Low Noise Amplifier that provides greater than 33dB of gain while maintaining a maximum gain flatness of ±2.0dB maximum over the operating frequency. The noise figure is 4dB typical and offers an OP1dB of +20dBm minimum and an OIP3 of +30dBm typical. The operating voltage is +15VDC and the current draw is typically 350mA. This amplifier is supplied in a hermetically sealed housing that measures 1.91" x 0.78" x 0.36". This amplifier was designed for use within an airborne application.

Please click PMI Website Link,

500MHz to 1.0GHz, 8-Bit, Digitally Controlled Phase Shifter

PMI Model No. PS-500M2G-8B-SFF

PMI Model No. PS-500M2G-8B-SFF is a State-Of-The-Art, 8-Bit Digitally Controlled Phase Shifter that operates over the 500MHz to 2.0GHz frequency range. This model has a typical insertion loss of 10dB and offers 360 degrees of phase shift via 8-Bit TTL control. The phase shift error is less than ±10 degrees and the amplitude error is less than ±1dB. The switching speed is 500nsec maximum. This unit operates on ±15VDC and supplied in a housing measuring 4.95" x 3.38" x 1.00"

Please click PMI Website Link,
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**

**Diode Detectors**

**Digital Attenuators**

**Digitally Tuned Oscillator**

**Frequency Discriminators**

**I/Q Vector Modulators**

**Limiters**

**Multifunction Integrated Assemblies**

**Phase Shifters**

**Power Dividers/Combiners**
"NEW" Products offered by PMI: High Quality - Custom Tailored Solutions

- Voltage Controlled Oscillators (VCO's)
- Frequency Sources (Synthesizers & Phase Locked Loops)
- Solid State RF Attenuators
- Frequency Multipliers
- 90 and 180 Degree Hybrids
- Single Side-Band Modulators and Image Rejection Mixers
- Down Converter Modules
- Test Loop Translators
- Phase Detectors
- Phase Comparators
- Clock Generators
- Couplers
- Many Others - Click here for additional information.
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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We accept: