



Planar Monolithics Industries, Inc.

RF & Microwave Components and Modules to 40GHz

ISO9001:2008 Certified

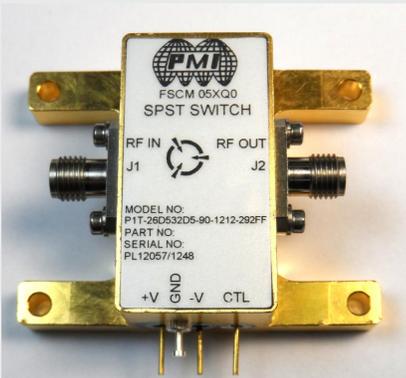
New Products Released by PLANAR MONOLITHICS INDUSTRIES, INC (PMI) on MARCH 21, 2013

PMI Model No. APD-2-0518-YR1 is a 2-Way Power Divider / Combiner that operates over the frequency range of 500MHz to 18GHz.



Model APD-2-0518-YR1 is a 2-Way Power Divider / Combiner that operates over the frequency range of 500MHz to 18GHz. This model offers low loss of 3.5dB typical (over 3dB theoretical) with a VSWR of 1.5:1 typical into a 50 ohm impedance. The average isolation is 20dB. This model offers a typical amplitude balance of ± 0.45 dB and a typical phase balance of ± 5 degrees. This model can handle input power levels of up to 25 watts into a load VSWR of 1.2:1 and up to 7.5 watts into a load VSWR of 2.0:1. The housing measures 3.75" x 1.0" x 0.4" and is gold plated

PMI Model No. P1T-26D532D5-90-1212-292FF is an absorptive, single pole, single throw, solid-state switch that operates over the frequency range of 26.5 to 32.5GHz.



PMI Model No. P1T-26D532D5-90-1212-292FF is an absorptive, single pole, single throw, solid-state switch that operates over the frequency range of 26.5 to 32.5GHz. This model provides a minimum isolation of 90dB and maintains low insertion loss of 5.0dB maximum. The VSWR is 2.0:1 maximum into 50 ohms impedance and offers switching speeds of 25nsec maximum and 15nsec typical. This switch is designed to handle input power levels up to +23dBm CW. The required DC voltage is +12v at 60mA typical and -12v at 40mA typical. Control of the switch is by single line TTL logic and the switch has 2.92mm female RF connectors. The package measures 2.0" x 1.5" x 0.75 and

is gold plated.

PMI Model No. PE2-28-20R040R0-5R5-18-12-SFF is a 20GHz to 40GHz low noise amplifier that typically provides 28dB of gain.



PMI Model No. PE2-28-20R040R0-5R5-18-12-SFF is a 20GHz to 40GHz low noise amplifier that typically provides 28dB of gain. The gain flatness is ± 2.5 dB maximum and ± 1.5 dB typical with a noise figure is 5.5dB typical. This amplifier provides a minimum OP1dB of +15dBm. The VSWR is 2.3:1 into 50 ohms impedance and operates on a single DC supply of +12 to +15 volts with 350mA nominal current consumption. This unit is supplied with field removable 2.92mm female connectors and in our standard PE2 housing that measures 1.08" x 0.71" x 0.29".

PMI Model No. PUB-14-30M20G-14-LCA is a 30MHz to 20.0GHz Low Noise Amplifier which provides 14dB of gain while maintaining a gain flatness of ± 1.2 dB typically over the operating frequency.



PMI Model No. PUB-14-30M20G-14-LCA is a 30MHz to 20.0GHz Low Noise Amplifier which provides 14dB of gain while maintaining a gain flatness of ± 1.2 dB typically over the operating frequency. The noise figure is 3dB typical and offers a typical OP1dB of +14dBm. The amplifier requires +12 to +15VDC and the current draw is 75mA typical. The unit is supplied with SMA(F) connectors in our standard PE2 housing.

PMI Model No. PUB-15-30M20G-20-LCA is a 30MHz to 20.0GHz Low Noise Amplifier which provides 15dB of gain while maintaining a gain flatness of ± 2.5 dB typically over the operating frequency.



PMI Model No. PUB-15-30M20G-20-LCA is a 30MHz to 20.0GHz Low Noise Amplifier which provides 15dB of gain while maintaining a gain flatness of ± 2.5 dB typically over the operating frequency. The noise figure is 3dB typical and offers a typical OP1dB of +20dBm. The amplifier requires +12 to +15VDC and the current draw is 225mA typical. The unit is supplied with SMA(F) connectors in our standard PE2 housing.

DC to 40GHz Components, Modules, and Systems

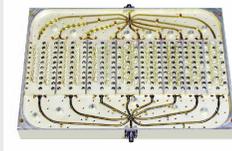
PMI offers just about any RF/Microwave component, module, or system for both commercial and military based requirements. Please click on the product types below to be directed to our web site catalog. Components and modules can be modified to meet your exact requirement. *(Click on links below to be directed to the web listings)*



Low Noise Amplifiers



Threshold Detectors



Filters & Switch Filter Banks



Dielectric Resonator Oscillators



Diode Detectors



Digital Attenuators



Digitally Tuned Oscillator



Frequency Discriminators



I/Q Vector Modulators



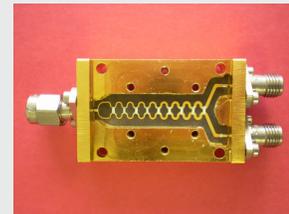
Limiters



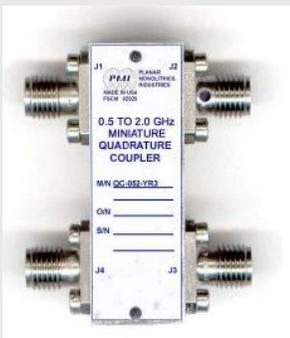
Multifunction Integrated Assemblies



Phase Shifters



Power Dividers/Combiners



Quadrature Couplers



SDLVA's



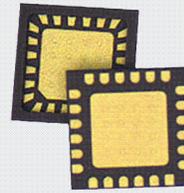
Switch Matrices



[DLVA / ERDLVA](#)



[Receiver Front Ends](#)



[SMT and QFN Packaging](#)



[Rack Mount & Chassis Products](#)



[Solid-State Switch Products](#)



[Switchable Low-Noise LNA's](#)



[OEM & Obsolete Parts Support](#)

In-Stock Products - Same Day Shipping
[In-Stock items that ship the same day!!](#)

"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:



