New Products Released by PLANAR MONOLITHICS INDUSTRIES, INC (PMI) on MARCH 7, 2013

PMI Model No. SDLVA-250M6G-CD-1 250MHz to 6.0GHz SDLVA

PMI model SDLVA-250M6G-CD-1 Successive Detection Log Video Amplifiers (SDLVA) offers 70dB Dynamic Range over the frequency range of 0.25 to 6.0GHz. This model offers an ultra-fast rise time of 10nsec maximum and a recovery time of less than 60nsec. The unit is temperature compensated such that log linearity over temperature remains less than +/-2.5dB over the full operating temperature range of -40 to +70C. This model is supplied in a compact housing measuring only 3.2" x 1.8" x 0.4".

[Optional frequency ranges covering 100MHz to 26.5GHz are available.]

PMI Model No. LM-6D7G7D9G-30W-SFF 6.7 to 7.9GHz RF Limiter

PMI Model LM-6D7G7D9G-30W-SFF is a RF limiter that operates in the 6.7 to 7.9GHz frequency range. This limiter can handle 30 watts CW input power and provides a maximum leakage of +18dBm. This model has a low insertion loss of 1.1dB maximum and a recovery time of 10usec maximum. This limiters is supplied with SMA female connectors and the package measures 1.0" x 0.65" x 0.38" which is gold plated.

PMI Model No. PS-360-DC-IR-9G10G 9.0 to 10.0GHz Digital Phase Shifter
The PS-360-DC-IR-9G10G is a 10-Bit digitally controlled 360 degree phase shifter that operates from 9.0 to 10.0GHz. This model offers low insertion loss of 7.5dB and a phase shift accuracy of ±0.6 degrees typically. The typical switching speed is 300nsec and operates with input power levels up to +20dBm. This model requires a single voltage supply of +12 to +15VDC with a current draw of 40mA. The housing measures 4.95" x 3.38" x 1.02". Other frequency ranges are available.

**PMI Model No. SDLVA-0R71R3-75-CD-3** 700 to 1300MHz SDLVA

Model SDLVA-0R71R3-75-CD-3 is a **Successive Detection Log Video Amplifier** that operates over the 700 to 1300MHz frequency range. This model has a Dynamic Range of 75dB, a log slope of 40mV/dB and a nominal video bandwidth of 20MHz. Furthermore, it has been designed using cutting edge GaAs technology which provides stunning performance and reliability in a compact package making it an optimum solution for high speed channelized receiver applications.

**PMI Model No. PIA-12D8G-CD-1** 12.8 GHz Phase Locked, DRO

PMI Model No. PIA-12D8G-CD-1 is a Phase Locked, **Dielectric Resonator Oscillator** with Internal Reference having an output frequency of 12.8GHz. This model provides a minimum output of +13dBm with all spurs held to -80dBc and harmonics held to -25dBc. The frequency stability is ±3 ppm with an internal reference of 100MHz. The phase noise is as follows: -34dBC/Hz at 1Hz, -65dBC/Hz at 10Hz, -85dBC at 100Hz, -108dBC/Hz at 1kHz, -115dBC/Hz at 10kHz, -120dBC/Hz at 100kHz, and -140dBC/Hz at 1MHz offsets. The oscillator requires +15VDC and 300mA. There is a built in alarm which outputs a TTL signal when phase locked. The unit measures 2.25" x 2.25" x 0.62". Other frequency ranges are available.

**PMI Model No. SDLVA-500M4G-CD-1** 500MHz to 4GHz SDLVA

PMI Model SDLVA-500M4G-CD-1 **Successive Detection Log Video Amplifiers** (SDLVA) offers 70dB Dynamic
Range over the frequency range of 0.5 to 4.0GHz. This model offers an ultra-fast rise time of 10nsec maximum, a recovery time of less than 60nsec and a limited RF Output of +7dBm. The unit is temperature compensated such that log linearity over temperature remains less than +/-2.5dB over the full operating temperature range of -40 to +70C. This model is supplied in a compact housing measuring only 3.2" x 1.8" x 0.4".

[Optional frequency ranges covering 100MHz to 26.5GHz are available.]

**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
- 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

"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

In-Stock Products - Same Day Shipping
In-Stock items that ship the same day!!
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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