

LIMITERS, DIODE DETECTORS & THRESHOLD DETECTORS

Offering a full line of RF & Microwave Limiter and Detector Products to 40GHz

Amplifiers

Attenuators - Variable

DLVA & ERDLVA & SDLVA's

DTO's

Filters

Form, Fit & Function Products

Hybrids, Dividers & Couplers

IFM's & Frequency Discriminators

Integrated MIC/MMIC Modules

I/Q Vector Modulators

Limiters & Detectors

Log Amplifiers

Pulse & Bi-Phase Modulators

Phase Shifters

Rack & Chassis Mount Products

Receiver Front Ends

Single Sideband Modulators

SMT & QFN Products

Solid-State Switches

Switch Matrices

Switch Filter Banks

Threshold Detectors

USB Products

Limiters & Limiter Detectors

- DC to 40 GHz in Narrow, Wide & Octave Bands
- QFN/Surface Mount, Connectorized and Coaxial models
- High Power Limiters, 400 Watt Peak & 50 Watt CW
- Hermetic Sealing and MIL-STD-883 Screening Available
- Example:

◆ LM-26G40G-14-20W-292FF

Frequency Range: 26.5 -40.0GHz, 4.0dB Insertion Loss, 2.0:1 VSWR, 20 Watts Peak RF Input, 40% Duty Cycle, +14dBm Leakage, 250nS Recovery Time.
Size: 0.5" x 0.5" x 0.22"



High Speed, Diode Detectors

- DC to 40 GHz in Narrow, Wide & Octave Bands
- QFN/Surface Mount, Connectorized and Coaxial models
- Tunnel Diode and Zero Bias Schottky Diode Detectors
- Positive or Negative Output Available
- Filter Detectors, Directional Detectors & Detector Amplifiers Available
- Hermetic Sealing and MIL-STD-883 Screening Available
- Example:

◆ DD-50-218-10PF-1-N

Frequency Range: 2.0-18.0 GHz, 3.5:1 VSWR, Frequency Flatness ± 1.5 dB Typical, Speed: 5nS, +17dBm Max RF Input, Voltage Sensitivity 700mV/mW Typical.
Size: 0.5" x 0.5" x 0.22"



High Speed, Threshold Detectors

- DC to 40 GHz in Narrow, Wide & Octave Bands
- High Dynamic Ranges, -75dBm to +10dBm Available
- Surface Mount, Connectorized & USB Models Available
- Fixed, Adjustable and Digitally Controlled Threshold Levels
- TTL and ECL Detected Output Available
- Hermetic Sealing and MIL-STD-883 Screening Available
- Example:

◆ TD-30T-SHS-218-30DBAMP-DAC-DS

Frequency Range: 2.0-18.0 GHz, Propagation Delay From 50% Monitor Logic Output on Leading Edge for an Input of -45 dBm: 15nS Typ., Propagation Delay From 50% RF Input to 50% Logic Output When Input -45 dBm: 30nS Typ., Minimum Signal Level: -45dBm, 8 Bit Digital Control on Threshold Level.
Size: 2.50" x 2.00" x 0.50"



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ISO9001:2008 Certified