

Setting the Standard for Ultra-Fast Log Video Amplifiers for mission-critical applications



- Designs for Industrial & Military Applications including phased array radar, passive direction-finding & channelized receivers
- Exceptional temperature stability; log linearity & frequency response; stunning performance & reliability
- Broadband covering the DC-70 GHz range with dynamic ranges over 70 dB, TSS >-68 dBm
- Surface Mount / Connectorized configurations
- Temperature Compensation, matched sets, AC and DC Coupling & CW Immunity Options
- Hermetic Sealing, Military or Aerospace Screening available
- Form, Fit, Function & Custom Design Services to meet your requirements or replace obsolete products



PMI offers a full portfolio of Detector Logarithmic Video Amplifiers [DLVA, ERDLVA, SDLVA] covering DC to 70 GHz with dynamic ranges over 70 dB.



Featured Products

SDLVAC-0120-70M

Successive Detector Log Video Amplifier (SDLVA)

SDLVA-0R5G18G-50R-30DBM

SDLVA

SDLVA-100M20G-55-12-SFF

Miniature SDLVA

DLVA-18G40G-42-50-CD-1

Detector Logarithmic Video Amplifier (DLVA)

| | | | | |
|---------------------|--|------------------------|--|----------------------|
| Frequency Range | 0.1 to 2 GHz | 0.5 to 18 GHz | 0.1 to 20 GHz | 18 to 40 GHz |
| TSS | -65 dBm Min, -70 dBm Typ | -71 dBm Min | -55 dBm Typ | -34 dBm |
| Logging Range | -65 to +5 dBm | -70 to 0 dBm | -50 to +5 dBm | -32 to +10 dBm |
| Log Linearity | ±0.8 dB Typ [-60 to 0 dBm], ±1.2 dB Typ [-65 to +5 dBm] | ±2.5 dB | ±1.0 dB [-45 to 0 dBm] @ +25 °C Typ | ±0.5 dB |
| Log Slope | 25 mV/dB | 25 mV/dB (±10%) @ 50 Ω | 15 mV/dB Typ | 50 mV/dB ±3 dB |
| Dimensions (inches) | 0.395" x 0.28" x 0.09" | 3.2" x 1.8" x 0.4" | 1.08" x 0.71" x 0.29" | 1.86" x 1.69" x 0.4" |
| Connectors | Surface mount - leads 0.24" Min | SMA (F) - removable | SMA (F) - removable | 2.92mm (F) |



Get a complete list of our Detector Log Video Amplifiers models and available options, download product features and other Product technical data at pmi-rf.com

Or contact us at **1-877-752-6271** or sales@pmi-rf.com