



DC Coupled Detector Log Video Amplifier 0.5 – 18 GHz

The Pascall range of DC coupled DLVAs give accurate video transfer functions combined with excellent temperature stability and fast rise and fall times.

This range of DLVAs are available for the 0.5 – 18GHz frequency range and sub-bands 0.5 to 2GHz, 2 to 6GHz, 6 to 19GHz and 2 to 18GHz. Extended temperature range units are also available.

General Information

Dynamic range	TSS to 8 dBm
Logging range	-40 to 0dBm
Log Slope	50+/-3mV/dB
Log accuracy	=/-2 dB
Rise time	20ns
Settling time	30ns
Fall time	100 ns at -20 dBm 250ns at 0 dBm
Recovery time	150 ns at -2 dBm 500 ns at 0 dBm
DC offset drift	=/-50mV
Baseline noise	100 mV p-p
Input VSWR	3:1 at -20 dBm
Max input	14 dBm
Video load impedance	100 ohms
Power supply	+12V @ 50mA -12 @ 50mA
Temperature range	-45 to +85 deg C

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