



CW immune detector log video amplifier 0.5 – 18 GHz

The Pascall range of CW immune DLVAs give accurate video transfer functions over a logging range of 50dB for pulse signals in the presence of CW signals.

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

General Information

Dynamic range	TSS to d dBm
Logging range	-45 to 0dBm
Log slope	80+/-5mV/dB
Log accuracy	+/-2.5 dB
Rise time	40ns
Settling time	60ns
CW immunity time	1 ms at -20 dBm 10ms at 0 dBm
CW recovery time	500 μ s at 0 dBm
Base line noise	120 mV p-p
Self test	see note below
Input VSWR	2.5: 1 at -20dBm
Max input	20 dBm
Video load impedance	100 ohms
Power supply	+12V @ 90mA -12V @ 60mA
Temperature range	-45 to +85 deg C

Note: Using an external TTL pulse (1 μ s width 200 KHz PRF), imitates Video output pulses equivalent to -20 dBm input power.

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