

LOG AMPS - MLA SERIES



The Pascall range of MLA amplifiers is an ultra broad band successive detection log amplifier for use in surveillance receivers, frequency agile radar systems and test facilities where high speed, good dynamic range and excellent pulse fidelity are important.

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Frequency Range	750 - 1250MHz
Dynamic Range	-65 to 0dBm
Log Slope	15mV/dB
Linearity (at +25°C and f_c)	±1.0dB
Variation of Log Linearity (over frequency)	±1.5dB
Variation of log slope (over temp. and frequency)	±5%
Video Output at 0dBm (DC coupled into 100 ohms with log slope 15mV/dB)	1.0V
Offset adjustment	±100mV
Variation of DC offset	±1.0dB
Limited IF Output	0dBm ±2.0dB
Input power (max)	+23dBm
Pulse rise time	<10ns
Pulse fall time	<30ns
Input VSWR (max)	1.5:1
Supply Voltage	±12 or ±15VDC
Power Consumption (max)	+ve 50mA -ve 160mA
Temperature Range	
Operating	0° to +60°C
Survival	-60° to +125°C
Weight (max)	85g
Finish	Bright tin

Ordering Information

MLA 1-500-XXX-XXX

