



Pascall's Quality System
Is Registered Under
BS EN ISO 9001



PM 13274
BS EN ISO 9001

Pascall Electronics Ltd,
Westridge Business Park,
Cothey Way,
Ryde, Isle of Wight,
PO33 1QT UK

Tel: +44 (0) 1983 817300
Fax: +44 (0) 1983 564708

Pascall

WIRELESS COMMS

MLA 1-500

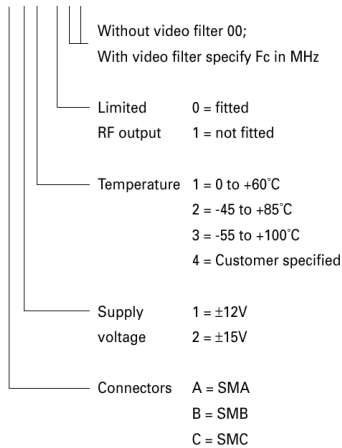
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MICROWAVE (1GHz) LOG AMPLIFIER



Ordering Information

MLA 1-500-XXX-XXX



MLA 1-500 log amplifier

Frequency range	750-1250MHz
Dynamic range	-65 to 0dBm
Log slope	15mV/dB
Linearity (at +25° and f _c)	±1.0dB
Variation of log linearity (over frequency)	±1.5dB
Variation of log slope (over temperature 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
Temp. range □ - operating	-45° to +85°C
□ - survival	-60° to + 125°C
Weight (max)	85g
Finish	Bright tin

Outline Dimensions

DIMENSIONS in mm. FINISH Bright tin, generally in accordance with MIL-T-10727 Type 1 Bright.

