

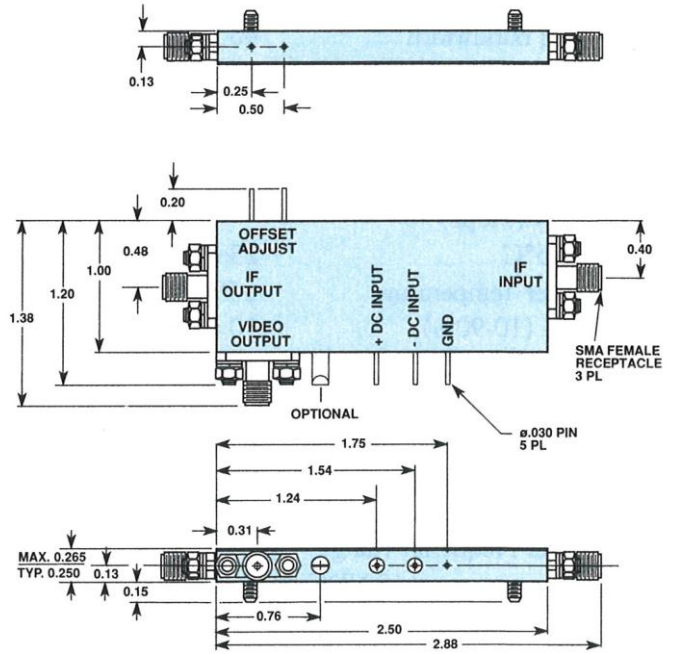
HCL-5-9011 1 GHz WIDEBAND LOG AMPLIFIERS

TECHNICAL FEATURE

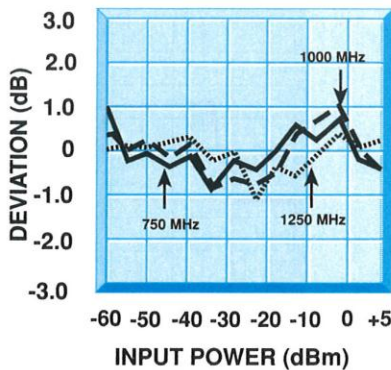
PERFORMANCE

Frequency Range.....	750 - 1250 MHz
Dynamic Range.....	0 to -60 dBm
Log Linearity	
@25°C	±1.5 dB
Over Temperature	±2 dB
Sensitivity (Slope)	
@25°C	25 mV/dB
Variation Over Temperature	±5% max
Rise Time (10-90%)	20 nS max
Fall Time (90-10%).....	80 nS max
Tangential Sensitivity.....	-65 dBm
Voltage Output Range (nominal)	0.2 to 1.7 V
VSWR	
Input	2.0:1 max
Output	2.0:1 max
Limited IF Output.....	0 ±3 dBm
DC Power	+15 VDC @ 70 mA max
.....	-15 VDC @ 200 mA max
Operating Temperature Range.....	-0° to +70° C

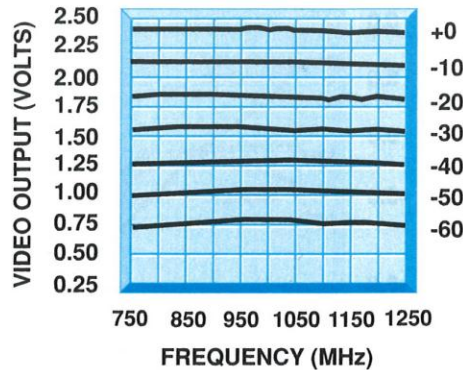
MECHANICAL OUTLINE



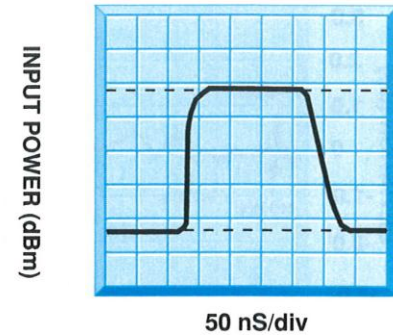
LINEARITY



VIDEO OUTPUT vs. FREQUENCY



PULSE RESPONSE (+0dBm INPUT)



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