

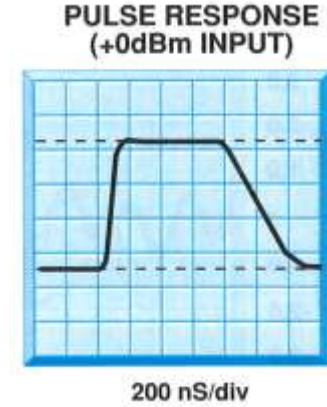
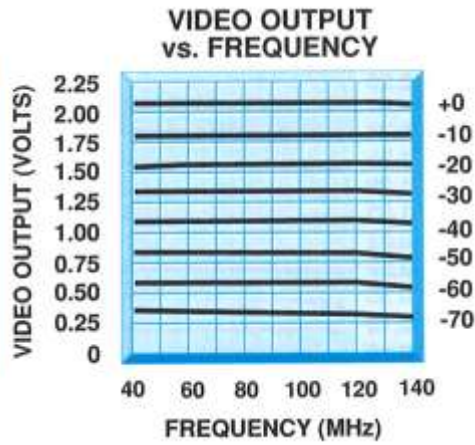
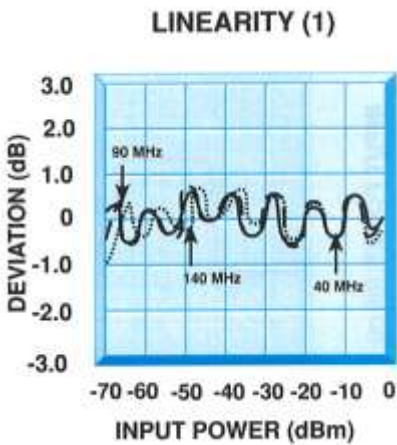
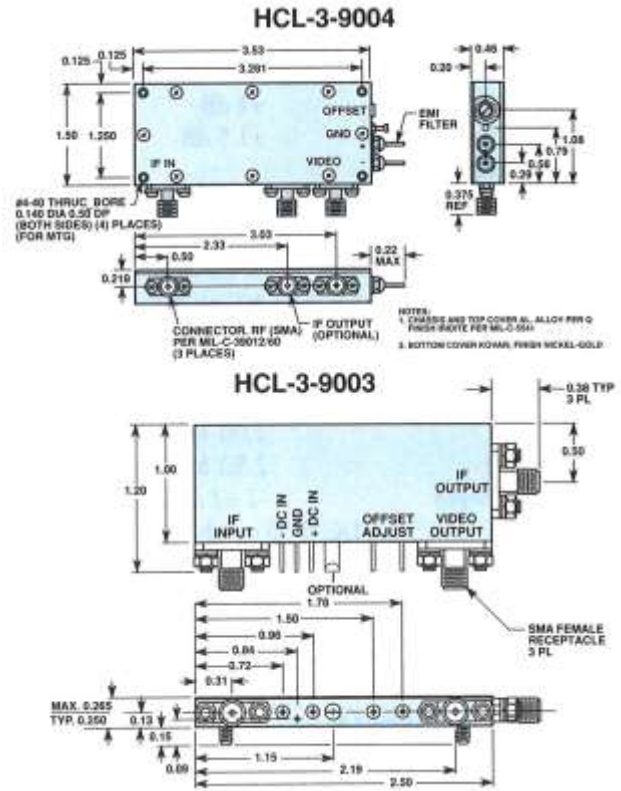
HCL-3-9003 / 9004 WIDEBAND LOG AMPLIFIERS

TECHNICAL FEATURE

PERFORMANCE

Frequency Range.....	40 - 140 MHz
Dynamic Range.....	0 to -70 dBm
Log Linearity (1).....	
@25°C.....	±0.75 dB
Over Temperature.....	±1 dB
Sensitivity (Slope)	
@25°C.....	25 mV/dB
Over Temperature.....	±5% max
Rise Time (10-90%).....	70 nS max
Fall Time (90-10%).....	600 nS max
Tangential Sensitivity.....	-78 dBm max
Voltage Output Range (nominal).....	0.2 to 2.0 V
VSWR	
Input.....	1.5:1 max
Output.....	2.0:1 max
Limited IF Output.....	0 ±2 dBm
DC Power.....	+15 VDC @ 70 mA max
.....	-15 VDC @ 200 mA max
Operating Temperature Range.....	-54° to +85° C
RF Input Power.....	+15 dBm max

MECHANICAL OUTLINE



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