

# HCL-5-9036 WIDEBAND LOG AMPLIFIERS

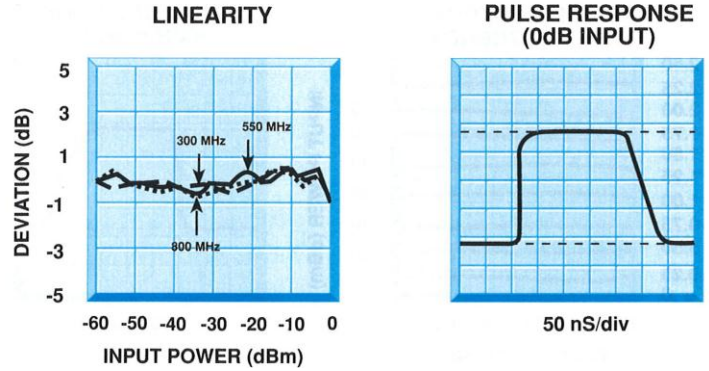
## TECHNICAL FEATURE

### PERFORMANCE

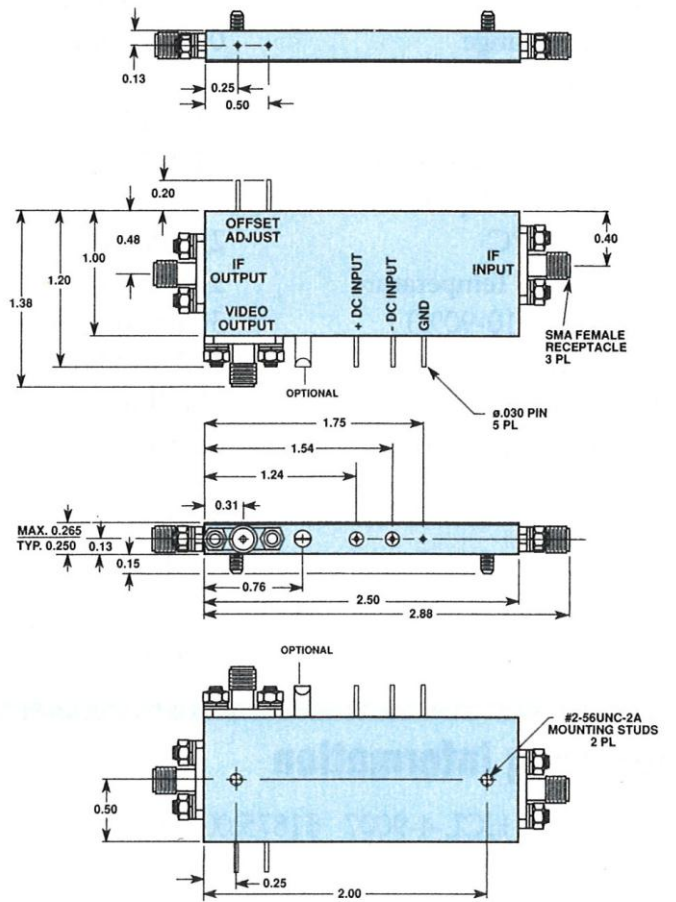
Frequency Range.....	300 - 800 MHz
Dynamic Range.....	0 to -60 dBm
Log Linearity (1).....	
@25°C.....	±1.5 dB
Over Temperature.....	±2 dB
Sensitivity (Slope)@25°C.....	25 mV/dB
Variation Over Temperature.....	±5% max
Rise Time (10-90%).....	25 nS max
Fall Time (90-10%).....	80 nS max
Tangential Sensitivity.....	-65 dBm max
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.....	-54° to +85° C

### OPERATING CHARACTERISTICS

RF Impedance.....	50 Ohms nominal
Video Load Impedance.....	93 Ohms Nominal
RF Input Power.....	+15 dBm max



### MECHANICAL OUTLINE



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