

Jersey Microwave

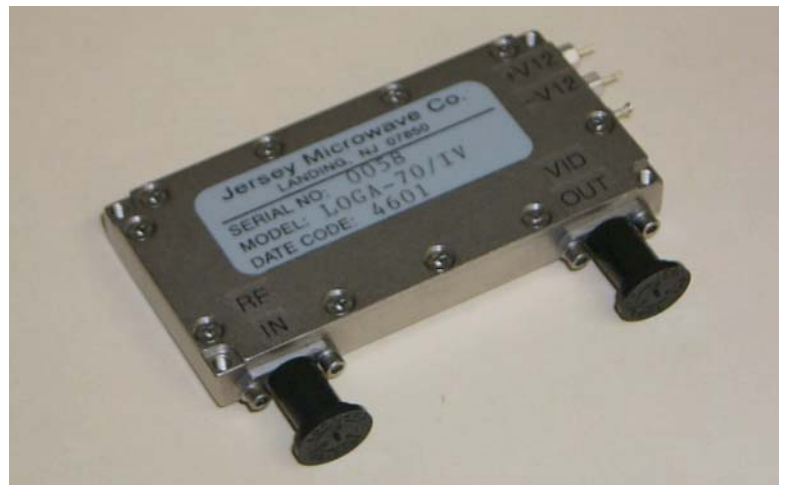
IF Logarithmic Amplifiers

Features

- ✓ High Dynamic Range
- ✓ Low Cost
- ✓ High Reliability

Options

- ✓ Customized Center Frequencies
- ✓ Alternative Log Slope
- ✓ Extended Operating Temperatures
- ✓ Customized to specific requirements



Electrical Specifications

Parameter	Value		
Center Frequency (Fc in MHz)	70	140	400
3 dB Bandwidth (MHz)	20	40	80
Input Dynamic Range	80 dB (0 dBm to -80 dBm)		
Log Slope @Fc into 93 Ohms load	18 mV/dB		
Log Accuracy @Fc	+/- 0.5 dB		
Rise/Fall Time (10% - 90%)	70 nsec. Typ. / 100 nsec max.		
Output Settling time to 1%	120 nsec. Typ. / 200 nsec max.		
Input Return Loss (50 W Impedance)	1.5:1 max.		
Operating Temperature	-20°C to +65°C		
DC Supply	+12 VDC @ 120 mA & -12 VDC @ 50 mA		
Dimensions (inches)	3.0 X 1.5 X 0.4		

Note: Specifications are subject to change without notice