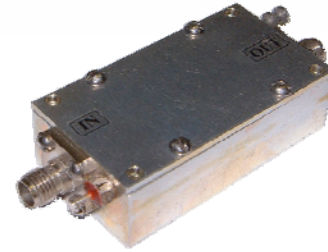


The MP700/1000/400K-LN is a Low Noise Amplifier, suitable for various Broad Band applications. The amplifier employs GaAs Enhancement-mode pHEMT devices that provide high efficiency, Low noise Figure, wide dynamic range, and linearity. Its compact size makes it ideal for portable applications.



### Model: MP700/1000/40-OK-LN

1. Electrical Characteristics		
Item	Value	Note
Frequency Range	40 ~ 1000 MHz	
Gain	40 dB ± 0.5dB	
Gain Flatness	± 0.25 dB (Max.)	Over Freq. Range 550-850 MHz
	± 0.5 dB (Max.)	Over Freq. Range 40 ~ 1000 MHz
Noise Figure	2.5 dB (Max.)	Over Freq. Range
1dB Compression	+20 dBm (Min.)	
3rd. Order Intercept Point	+36 dBm (Min.)	2 CW tones of +5 dBm at 1 MHz spacing
Input VSWR	1.5:1 (Max.)	
Output VSWR	1.5:1 (Max.)	
DC Input Voltage / Current	+5 VDC / 240 mA (Max.)	
Input / Output Impedance	50 Ω	
Max Input RF	-5 dBm	

2. Mechanical Characteristics	
RF IN/OUT Connector	SMA 4 Holes Female
DC Input	#8 Feed Thru
Dimension	1.94" x 1.05" x 0.55"

3. Environment Characteristics	
Operating Temperature	-40°C ~ +80°C

### 4. Outline Drawing

