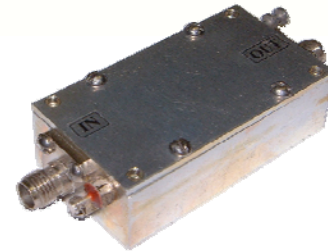


The **MP700/1000/410K-LN** is a Low Noise Amplifier, suitable for various Broad Band applications. The amplifier employs GaAs Enhancement-mode pHEMT devices that provide high efficiency, Low noise Figure, wide dynamic range, and linearity. Its compact size makes it ideal for portable applications.



Model: MP700/1000/410K-LN

1. Electrical Characteristics		
Item	Value	Note
Frequency Range	40 ~ 1000 MHz	
Gain	41 dB ± 0.5dB	
Gain Flatness	± 0.5 dB (Max.)	Over Freq. Range 550~850 MHz
	± 0.75 dB (Max.)	Over Freq. Range 40 ~ 1000 MHz
Noise Figure	3.0 dB (Max.)	Over Freq. Range
1dB Compression	+20 dBm (Min.)	
3rd. Order Intercept Point	+34 dBm (Min.)	2 CW tones of +5 dBm @ 1 MHz spacing
Input VSWR	1.5:1 (Max.)	
Output VSWR	1.5:1 (Max.)	
DC Input Voltage / Current	+5 VDC / 250 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
Dimensions	1.94" x 1.05" x 0.55"

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

Revision History			
REV	Reason to Change	Date	Initialed by

4. Outline Drawing

