



The MP4000/4G/140K-LN-A is a Low Noise Amplifier, suitable for various Broad Band applications. The amplifier employs pHEMT devices that provide high efficiency, Low noise Figure, wide dynamic range, and linearity. Its compact size makes it ideal for portable applications.



Model: MP4000/4G/140K-LN-A

1. Electrical Characteristics		
Item	Value	Note
Frequency Range	2000 ~ 6000 MHz	
Gain	14 dB ± 1.0dB	
Gain Flatness	± 1.0 dB (Max.)	Over Freq. Range
Noise Figure	2.5 dB (Max.)	Over Freq. Range
1dB Compression	+14 dBm (Min.)	
Output IP3	+26 dBm (Min.)	Two Tones at 3 dBm, 1MHz Spacing
Input VSWR	1.5:1 (Max.)	
Output VSWR	1.5:1 (Max.)	
DC Input Voltage / Current	+28 VDC / 50 mA (Max.)	DC Input Range: 18~36V
Input / Output Impedance	50 Ω	
Max Input RF	+15 dBm	

2. Mechanical Characteristics	
RF IN/OUT Connector	SMA 4 Holes Female
DC Input	#8 Feed Thru
Dimension	2.0" x 1.80" x 0.79"

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

Revision History			
REV	Reason to Change	Date	Initialed by
	Initial Release	04/06/16	Y.Z.

4. Outline Drawing

