



The MA450/1.0/350K-A Low Noise Amplifier (LNA) is suitable for broad band 380-520 MHz Band applications. The LNA employs Enhanced-mode PHEMT technology that provides high linearity and low noise for Wireless Communication purposes.



Model: MA450/1.0/350K-A

1. Electrical Characteristics		
Item	Value	Note
Frequency Range	380 ~ 520 MHz	
Gain	35 (Min.)	
Gain Flatness	± 0.5 dB	Over Freq. Range
Manual Attenuation Range	0-30 dB	2-dB steps
Noise Figure	0.9 dB (Max.)	
1dB Compression	+18 dBm (Typ.)	
3rd. Order Intercept Point	+30 dBm (Typ.)	2 CW Tones @ 0 dBm
Input VSWR	≤ 1.5	
Output VSWR	≤ 1.5	
Maximum Input (No Damage)	+10 dBm	
DC Input Voltage / Current	+15 VDC / 0.31 A (Typ.)	DC Input Voltage Current Pout @ +18 dBm
Input / Output Impedance	50 Ω	

2. Mechanical Characteristics	
RF IN/OUT Connector	SMA 4 Holes Female
DC Input	#8 Feed Thru
Dimensions	3.54" x 1.64" x 0.70"

3. Environment Characteristics	
Operating Temperature	-20°C ~ +70°C

Revision History			
REV	Reason to Change	Date	Initialed by

4. Outline Drawing

