



The **MP3165/5470/200K-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: MP3165/5470/200K-LN-A

1. Electrical Characteristics		
Item	Value	Note
Frequency Range	430 ~ 5900 MHz	
Gain	21 dB ± 1.0dB	
Gain Flatness	± 1.0 dB (Typ.) ± 1.5 dB (Max.)	Over Freq. Range
Noise Figure	1.7 dB (Max.)	Over Freq. Range @ 25°C
1dB Compression	+16 dBm (Min.)	
3rd. Order Intercept Point	+26.0 dBm (Min.)	2 CW tones of +0 dBm @ 1 MHz spacing
Input/ Output VSWR	2.0:1 (Max.)	
DC Input Voltage / Current	+12 VDC / 50 mA (Max.)	
Input / Output Impedance	50 Ω	
Max Input RF (Without Damage)	+15 dBm	

2. Mechanical Characteristics	
RF IN/OUT Connector	SMA 4 Holes Female
DC Input	#8 Feed Thru
Dimensions	1.70" x 1.20" x 0.72"

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

Revision History			
REV	Reason to Change	Date	Initialed by
	Initial Release	05/30/18	Y.Z.

4. Outline Drawing

