



The MP1700/2000/200K-LN-A3 is suitable for broadband low noise and linear power amplification. The amplifier employs GaAs E-pHEMT technology that provides wide dynamic range, low noise figure, excellent linearity and unconditional stability.

PHOTO NOT AVAILABLE

Model: MP1700/2000/200K-LN-A3

1. Electrical Characteristics

Item	Value	Note
Frequency Range	700 ~ 2700 MHz	
Gain	25 dB	
Gain Flatness	±1.5 dB (Max.)	Over Freq. Range
Gain Variation	±1.0 dB	Over Temp. Range
Output P1	+16 dBm (Min.)	
Output Psat	+18 dBm (Typ.)	
Input / Output VSWR	1.3:1 (Max.)	
Noise Figure	1.0 dB (Max.)	@ +25°C
Output 3 rd Intercept	+30 dBm (Min.)	Two tones, @ +7 dBm per tone,
Spurious	-70 dBc (Max.)	
DC Input Voltage/Current	+5V / 0.20A (Typ.)	
Input / Output Impedance	50 Ω	
Max Input Power	+10 dBm	

2. Mechanical Characteristics

RF IN/OUT	N Female / N Male	4 – 40 screw
DC Input	#8 Feed-thru	
Dimensions	2.9" x 2.7" x 1.2"	

3. Environment Characteristics

Operating Temperature	-20°C ~ +70°C	Base Plate
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Revision History

REV	Reason to Change	Date	Initialed by

4. Outline Drawing

