



The MP900/200/45OK-A 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.



Model: MP900/200/45OK-A

1. Electrical Characteristics		
Item	Value	Note
Frequency Range	800 ~ 1000 MHz	
Gain	45 dB (Typ.)	
Gain Flatness	±1.0 dB	Over Freq. Range
Gain Variation	±1.0 dB	Over Temp. Range
Output P1	+30 dBm (Typ.)	
Output Psat	+31 dBm (Typ.)	
Input / Output VSWR	1.3:1 (Max.)	
Noise Figure	1.0 dB (Max.), 0.8 (Typ.)	
Output 3 rd Intercept	+44 dBm (Min.)	Two tones, @ +17 dBm per tone, 1 MHz spacing
Spurious	-70 dBc (Max.)	
DC Input	8-12V / 0.70A (Max.)	
Input / Output	50 Ω	
Max Input Power	-12 dBm	

2. Mechanical Characteristics		
RF IN/OUT	SMA Female	4 – 40 screw
DC Input	#8 Feed-thru	
Dimensions	3.54" x 1.64" x 0.70"	

3. Environment Characteristics		
Operating Temperature	-20°C ~ +80°C	Base Plate

Revision History			
REV	Reason to Change	Date	Initialed by

4. Outline Drawing

