

The MA1920/1.0/750K-A2 is suitable for PCS applications. It covers the 1850-1990 MHz band and features adjustable gain in a compact enclosure providing Low Noise performance and significant Output Power with high linearity.



Model: MA1920/1.0/750K-A2

1. Electrical Characteristics		
Item	Value	Note
Frequency Range	1850 ~ 1990 MHz	
Gain	75 (Typ.)	
Gain Flatness	± 1.0 dB	Over Freq. Range
Manual Gain Adjustment	30 dB	2-dB steps
ALC Range	30 dB	
Noise Figure @ Full Gain	2.3 dB (Max.)	
1dB Compression	+29 dBm (Typ.)	
3rd. Order Intercept Point	+46 dBm (Typ.)	
Input / Output VSWR	1.5:1 (Typ.)	
DC Input Voltage / Current	14~24 VDC / 0.65 A (Typ.)	
Input / Output Impedance	50 Ω	
Max. Input without Damage	0 dBm	With ALC On

2. Mechanical Characteristics	
RF IN/OUT Connector	SMA 4 Holes – Female
DC Input	#8 Feed Thru
Dimensions	5.97" x 2.15" x 0.85"

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

4. Outline Drawing

