



The MA850/2.3/43OK-A1 Low Noise Amplifier (LNA) is suitable for 700-1000 MHz Band applications. The LNA has a built-in variable gain function for Wireless Communication purposes. Mainly designated for use as LNA/Driver for Power stages for Broad Band communication systems.



Model: MA850/2.3/43OK-A1

1. Electrical Characteristics		
Item	Value	Note
Frequency Range	700 ~ 1000 MHz	
Gain	45 (Typ.)	
Gain Flatness	± 1.0 dB	Over Freq. Range
Manual Attenuation Range	0-30 dB	2-dB steps
Noise Figure @ Full Gain	2.1 dB (Max.)	
1dB Compression	+20 dBm (Typ.)	
3rd. Order Intercept Point	+35 dBm (Typ.)	2 tones @ +7 dBm
Input VSWR	≤ 1.5	
Output VSWR	≤ 1.5	
Maximum Input (No Damage)	+10 dBm	
DC Input Voltage / Current	15 VDC / 0.26 A (Typ.)	DC Input Voltage / Current Pout @ +20 dBm
Input / Output Impedance	50 Ω	

2. Mechanical Characteristics	
RF IN/OUT Connector	SMA 4 Holes – Female
DC Input	#8 Feed Thru
Dimensions	2.10" x 1.85" x 0.70"

3. Environment Characteristics	
Operating Temperature	-20°C ~ +75°C

Revision History			
REV	Reason to Change	Date	Initialed by

4. Outline Drawing

