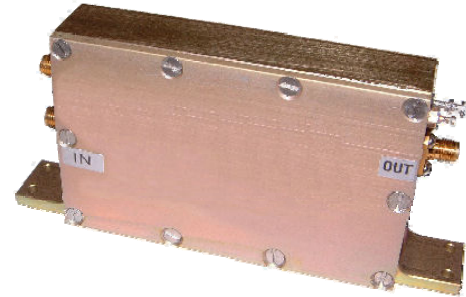


The MA850/1.0/15OK-A1 Low Noise Amplifier (LNA) is suitable for 700 ~ 1000 MHz Band applications. The LNA employs Enhanced-mode PHEMT technology that provides high linearity and low noise for Wireless Communication purposes specifically targeting TMA applications (By-Pass Mode and soft failure with loss of 3dB of Gain).



Model: MA850/1.0/15OK-A1

1. Electrical Characteristics		
Item	Value	Note
Frequency Range	700 ~ 1000 MHz	
Gain	15 (Typ.)	
Gain Flatness	± 1.0 dB	Over Freq. Range
Bypass Mode Insertion Loss	0.8 dB (Typ.)	
Noise Figure	1.0 dB (Typ.)	
1dB Compression	+18 dBm (Typ.)	
3rd. Order Intercept Point	+33 dBm (Typ.)	2 CW Tones @ +5 dBm
Input VSWR	≤ 1.5	
Output VSWR	≤ 1.5	
DC Input Voltage / Current	+15 VDC / 0.15 A (Typ.)	DC Input Voltage / Current @ Pout +18 dBm
Input/output Impedance	50 Ω	
Max. Input Power without Damage	+5 dBm	

2. Mechanical Characteristics	
RF IN/OUT and TEST Connector	SMA 4 Holes Female
DC Input	#8 Feed Thru
Dimensions	5.25" x 2.4" x 0.86"

3. Environment Characteristics	
Operating Temperature	-10°C ~ +60°C

Revision History			
REV	Reason to Change	Date	Initialed by

4. Outline Drawing

