



The MP900/600/5SK-A is suitable for Broad Band applications. The amplifier employs linear GaN power devices that provide high efficiency, ample output power, wide dynamic range, and high gain.



**Model: MP900/600/5SK-A**

1. Electrical Characteristics		
Item	Value	Note
Frequency Range	600 ~ 1200 MHz	
Power Gain	20 (Min.)	Pout @ 5 Watts CW
Gain Flatness	± 1.0 dB (Typ.)	Over Frequency Range
Gain Variation	± 1.0 dB	Over Temperature Range
Output Psat	+38 dBm (Min.)	
Input VSWR	1.3:1 (Max.)	
HPA Enable/Disable	TTL "Low or Open" ⇒ Enable TTL "High" ⇒ Disable	
Harmonics	-15 dBc (Typ.)	Pout @ +37 dBm
Over Temperature Protection	Shutdown @ +85°C ± 5°C	Auto Recover @ +70°C ± 5°C
DC Input Voltage / Current	+28 VDC ± 1V / 0.55 A (Max.)	DC Input Voltage / Current @ Pout @ 5 Watts CW
Input /Output Impedance	50 Ω	
Capable of Handling VSWR	6:1	
Input Max. without Damage	+20 dBm	

2. Mechanical Characteristics		
Monitoring Connectors	DB9-Male	4 – 40 screw
RF IN/OUT Connector	SMA 4 Hole –Female	
Dimensions	3.0" x 2.75" x 0.8"	
Weight	0.28 lb	

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

Revision History			
REV	Reason to Change	Date	Initialed by

4. DB9-Male Pin Description		
1	GND	
2	NC	
3	+28 VDC	
4	Enable / Disable	Enable: TTL "Low or Open" Disable: TTL "High"
5,6,7, 8, 9	N/C	

**5. Outline Drawing**

