The **MP5500/800/22OK-A** is a broadband and high power amplifier for 5100 ~ 5900 MHz frequency band. It is suitable for Jamming or communication operation. The amplifier employs advance GaAs power devices that provide ample output power, a wide dynamic range, broadband, and high efficiency.

PHOTO NOT AVAILABLE

Model: MP5500/800/22OK-A

1. Electrical Characteristics

Item	Value	Note
Frequency Range	5100 ~ 5900 MHz	
Gain	20 dB (Min.)	@ Rated Power
Gain Flatness	± 1.0 dB (Typ.)	Over Freq. Range
Output Power P1	+22 dBm (Min.)	
Input VSWR	1.5:1 (Max.)	
Input Power Monitor Output	0.8~2.5V 30mV/dBm (Typ.)	-40~+15 (dBm) Pin 3
VVA Control Voltage/Current	**0 ~ 5 V/ 1 mA** **5V: Maximum Gain** **0V: Minimum Gain**	Pin 4
VVA Control Range (Vag)	30 dB (Min.)	Linear in dB
Enable/Disable	**TTL "Low or Open": Enable** **TTL "High ": Disable**	Pin 5
Switch On/Off @ 10-90% Time	< 2 µs (Typ.)	
Harmonics	-15 dBc (Typ.)	@ Rated Power
Spurious	-70 dBc (Max.)	@ Rated Power
DC Input	+28 VDC	
DC Current	0.1 A (Typ.)	+24~+32V @ Rated Power
Standby Current	0.03 A (Max.)	Shutdown Status
Efficiency	20% (Min.)	
In/Output Impedance	50 Ω	
Max. Input Signal ***(Without Damage)***	+15 dBm	

2. Mechanical Characteristics

RF IN/OUT Connector	SMA – Female	
DC Input	#8 Feed Thru	
Dimension	3.3" x 2.46" x 0.89"	
Weight	0.4 lb	

3. Environment Characteristics

Operating Temperature	-20°C ~ +75°C	Base Plate
Cooling	External Heatsink	
Humidity ***(Non-condensing)***	95% (Max.)	

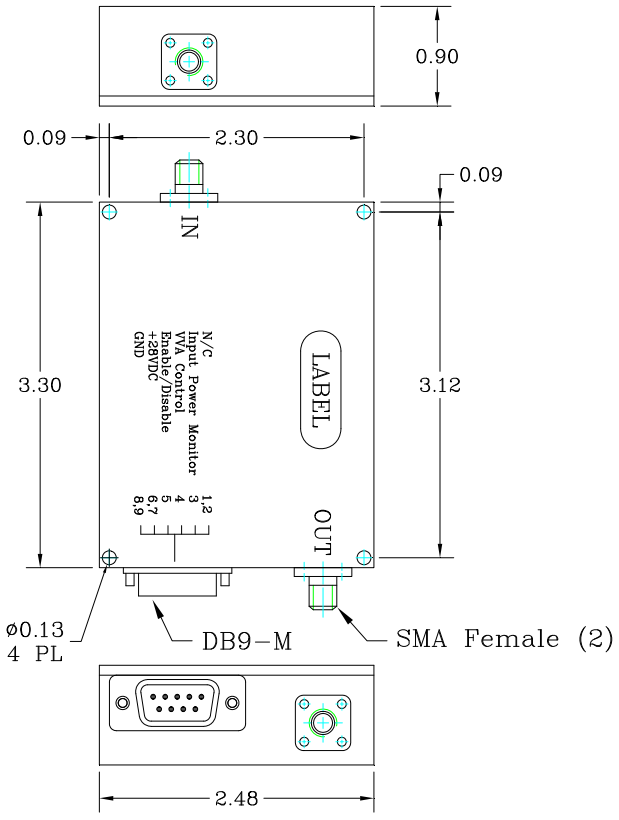
Revision History

REV	Reason to Change	Date	Initialed by
	Initial Release	*08/15/18*	*Y.Z.*

4. DB9-Male Pin Description

1, 2	NC	
3	Input Power Monitor	
4	VVA Control	5V: Maximum Gain 0V: Minimum Gain
5	Enable/Disable	Disable: TTL High Enable: TTL Low or Open
6 ~ 7	+24 ~ +32VDC	
8 ~ 9	GND	

5. Outline Drawing



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