



Power Amplifier

Model: PA-2G7-3G2-25

2.7-3.2GHz 25W CW

Ultrabroad frequency range, high performance and exceptional RF characteristics

Features:

- Frequency range: 2.7-3.2GHz
- High output power at saturation, 25W Min.
- High gain, 30 dB Min.
- 50 Ohm Matched Input / Output.

Applications:

- Cellular
- PCN
- GSM
- ISM
- Lab Test

Product Overview:

The PA-2G7-3G2-25 is a power amplifier with a minimum gain of 30 dB and a minimum Psat of 25W across the frequency range of 2.7 to 3.2GHz. The DC power requirement for the amplifier is +28 VDC/3 A. The input and output port configuration offers coax adapter structure with SMA female.



Electrical Specifications at 25°C:

Parameter	Min	Typ	Max	Units
Frequency range	2.7		3.2	GHz
Gain	30	33		dB
Gain Flatness		±1	±1.5	dB
Output Psat	44	45		dBm
Input VSWR		1.3	1.5	dBc
Output VSWR			2	:1
DC Voltage		+28	+30	V DC
DC Supply Current		3	4.2	A
Impedance		50		Ohms

Mechanical Specifications:

Parameter	Value	Notes
Operating Temperature*	-40°C to +50°C	
Non-operating Temperature*	-50°C to +60°C	
Relative humidity	95%	
RF Input/Output Connector	SMA Female/SMA Female	
DC Bias	Solder Pin	
Altitude	10,000	feet
Shock / Vibration(MIL-STD-810F)	20g,11ms,saw-tooth	
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions	
Dimensions W x H x D	170*94*20	mm
Weight	300	g

*Note: For a wider temperature range, please consult the manufacturer.

Absolute Maximum Ratings:

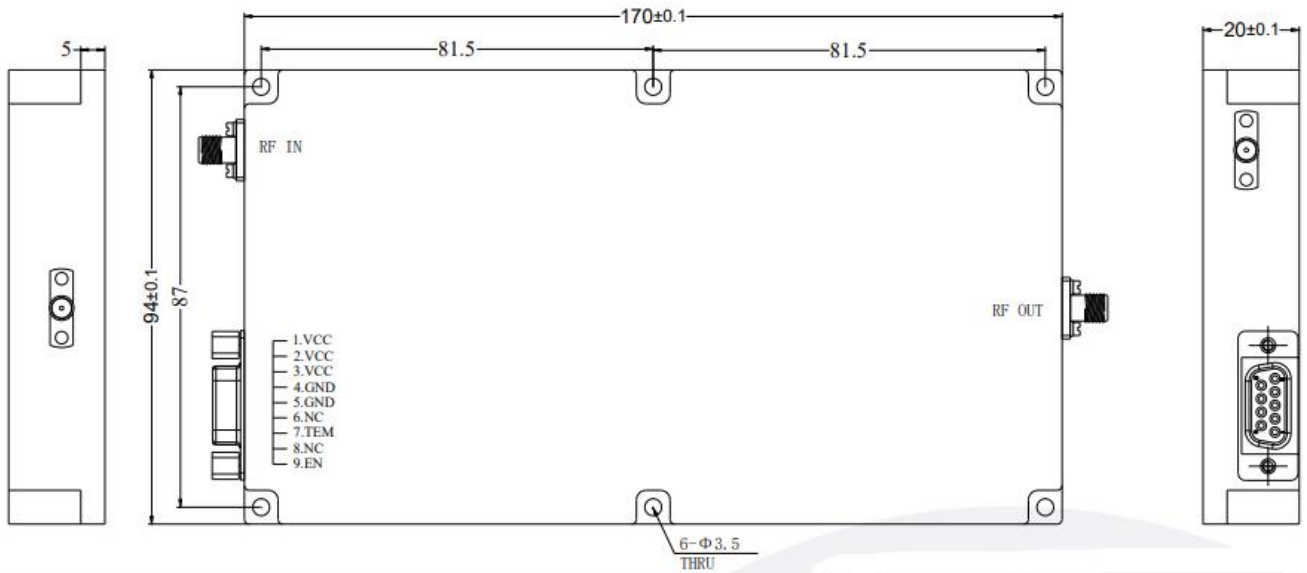
Parameter	Value
Supply Bias Voltage	+30 V
RF Input Power	+20 dBm
ESD sensitivity (HBm)	Class 0, passed 150V



Outline Drawing:

Unit:mm

PA-2G7-3G2-25



Ordering Information:

Base Number	Description	Optional
PA-2G7-3G2-25	Power Amplifier, 2.7-3.2GHz, Gain:30dB,Psat:25W,+28V DC	Without Heatsink
PA-2G7-3G2-25-HS	Power Amplifier, 2.7-3.2GHz, Gain:30dB,Psat:25W,+28V DC	With Heatsink