0.6-2.5GHz 50W Power Amplifier

P/N: PA006025GA50W-SR

Description:

The power amplifier is a 50 W power amplifier with a typical Small Signal Gain of 51 dB across the frequency range of 0.6 to 2.5 GHz. The typical output power P-1 45 dBm. The DC power requirement for the amplifier is +28VDC/4.9 A. Accept customization according to different needs.

- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications（+25℃）:

Parameter	Min.	Typ.	Max.	Units
Frequency Range		0.6-2.5		GHz
Small Signal Gain	45	51	55	dB
Small Signal Gain Flatness		±2.0	±3.0	dB
Output Power at 1 dB Compression	+43	+45		dBm
Output Power at 3 dB Compression	+44	+47		dBm
Noise figure		7	10	dB
Output Third Order Intercept Point		+52		dBm
Input Return Loss	9.5	16		dB
Output Return Loss	9.5	21		dB
DC Supply Voltage	+27	+28	+29	V
Supply Current(Without Fan at P3dB)		5.6	6.5	A
Supply Current(With Fan at P3dB)		6.0	6.9	A
RF Input Power (No Damage)			0	dBm
Impedance		50		Ω
Input/Output Connector		SMA-Female/SMA-Female		
DC Bias		Solder Pin		
Material		Aluminum		
Weight		-		
Package Sealing		General Sealing (Standard)		

Environmental Specifications:

※ Operational Temperature -20℃~+60℃

※ Storage Temperature -55℃~+100℃

RoHS COMPLIANT

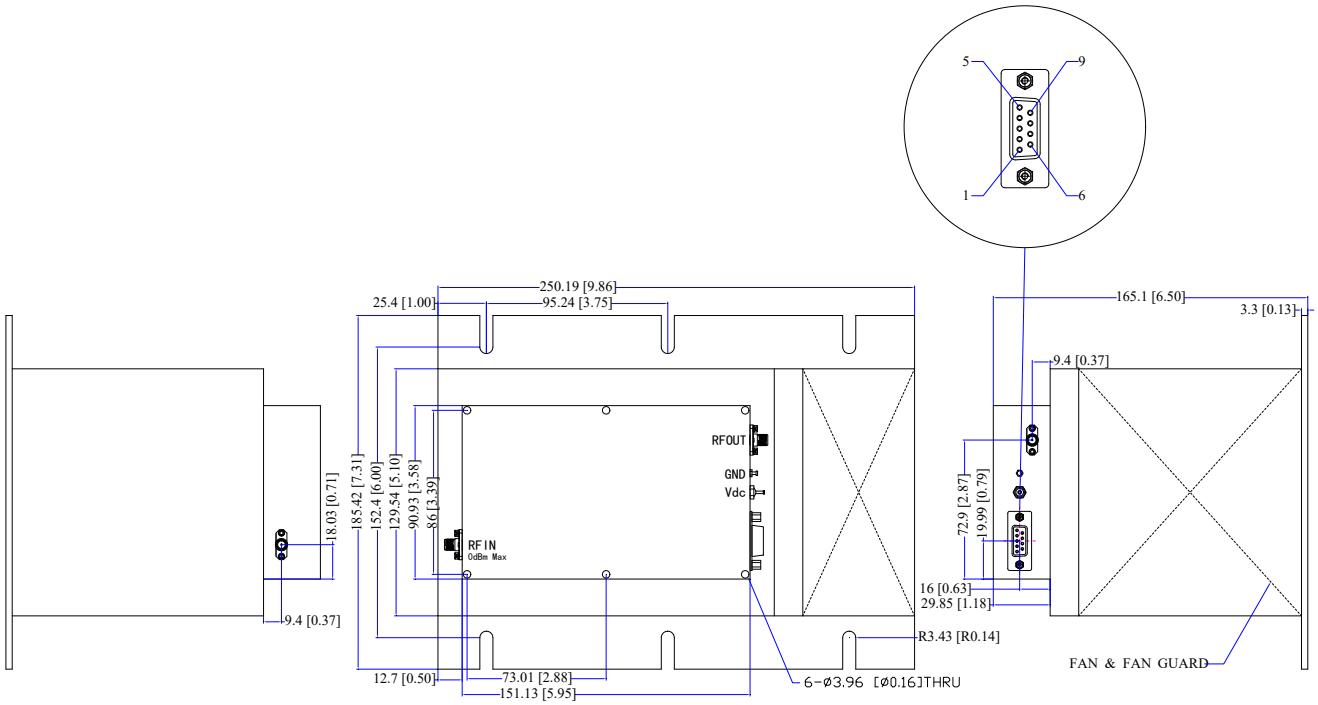
OBSERVE PRECAUTIONS ELECTROSTATIC SENSITIVE DEVICES

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■ Outline Drawing

All Dimensions in mm (inches) Tolerance ±0.25 (0.01)



D-SUB MALE CONNECTOR PIN CONNECTIONS				
Pin Function	**Label on Unit**	**Pin #**	**Color**	**Gauge**
None	N/C1, N/C2, N/C3 N/C4, N/C5	1,2,4,5	None	None
Thermal Shut-Off Indication Shut-Off: +2 to +5 V Not Shut-Off: 0 to +0.8 V	TTL Out	3	Orange	26AWG
DC Input (+)	VDC	6,7	Red	18AWG
Ground	GND	8,9	Black	18AWG

NOTE:

1. The product is designed to meet environmental ratings but not tested. If you need to test environmental condition, please contact our sales department.
2. Miczen technologies co., Ltd. reserves the right to change the above information without notice.