0.1-18GHz Power Amplifier

P/N: PA001180GA1W-SR

Description:

The amplifier is a power amplifier with a typical small signal gain of 25 dB and a nominal P1dB of +27 dBm across the frequency range of 0.1 to 18 GHz. The DC power requirement for the amplifier is +24 VDC/1400 mA.

- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications（+25℃）:

Parameter	Min.	Typ.	Max.	Units
Frequency	0.1		18	GHz
Gain	25			dB
Gain Flatness		±2		dB
Noise Figure		5.0		dB
Pin			+5	dBm
P1dB	+27			dBm
Psat	+30			dBm
Output Third Order Intercept (OIP3)		35		dBm
DC Voltage	+20	+24	+28	VDC
DC Supply Current		1200	1400	mA
Impedance		50		Ω
Input/Output Connector		SMA-Female/SMA-Female		
DC Bias		Solder Pin		
Material		Material: Aluminum/ Gold Plating Radiator: Aluminum black anodized		
Weight		750g		
Package Sealing		General Sealing (Standard)		

Environmental Specifications:

※ Operational Temperature -25℃~+65℃

※ Storage Temperature -55℃~+85℃

RoHS COMPLIANT

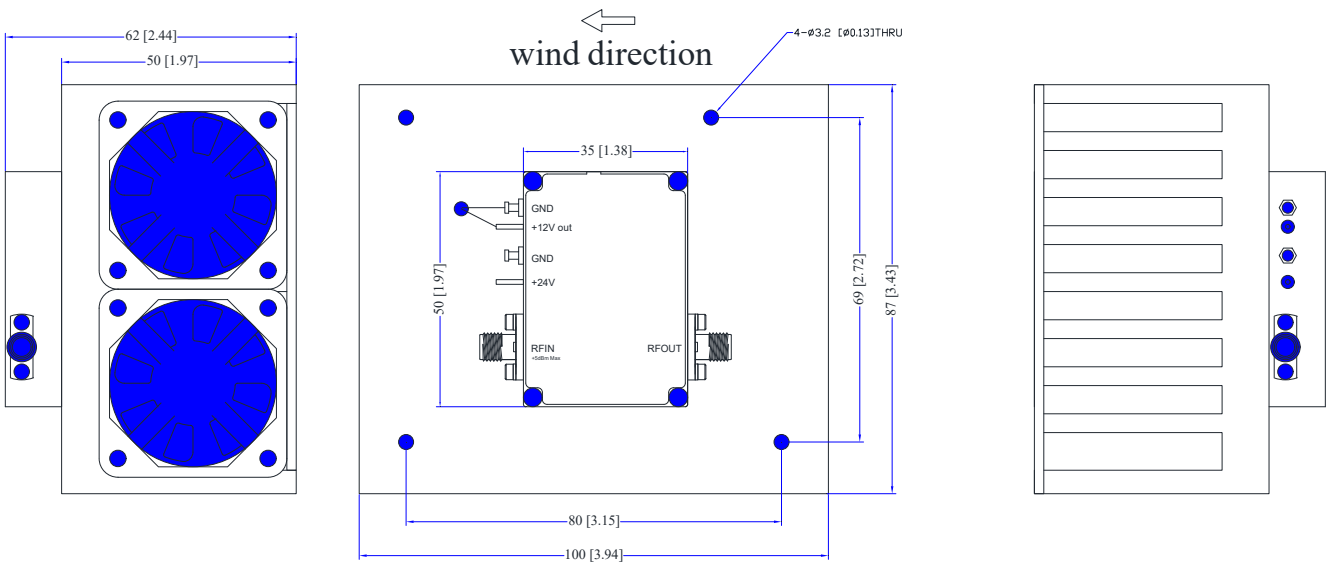
OBSERVE PRECAUTIONS ELECTROSTATIC SENSITIVE DEVICES

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Outline Drawing

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



Heat Sink required during operation

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.