1.3GHz 100W Power Amplifier

P/N: PA013GP100W

Description:

The power amplifier is a power amplifier with a typical small signal gain of 50 dB across the frequency of 1.3 GHz. The typical output power Past 50dBm. The AC power requirement for the amplifier is 28V/3A. Accept customization according to different needs.

- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications（+25℃）:

Parameter	Min.	Typ.	Max.	Units
Frequency Range		1.3		GHz
Gain	50	53		dB
Duty cycle@20μs pulse width		1%	5%	-
Input VSWR		2.0		-
Output Power Psat		50		dBm
Spurious		-60		dBc
Input Max Power(no damage)			5	dBm
Direct current@28V		3		A
Impedance		50		Ω
Input/Output Connector		SMA-Female/SMA-Female		
Material		Aluminium		
Weight		-		
Package Sealing		General Sealing (Standard)		
Cooling mode		Without heat sink		
Protection function		Over temperature protection		

Environmental Specifications:

※ Operational Temperature -25℃~+50℃

※ Storage Temperature -55℃~+125℃

RoHS COMPLIANT

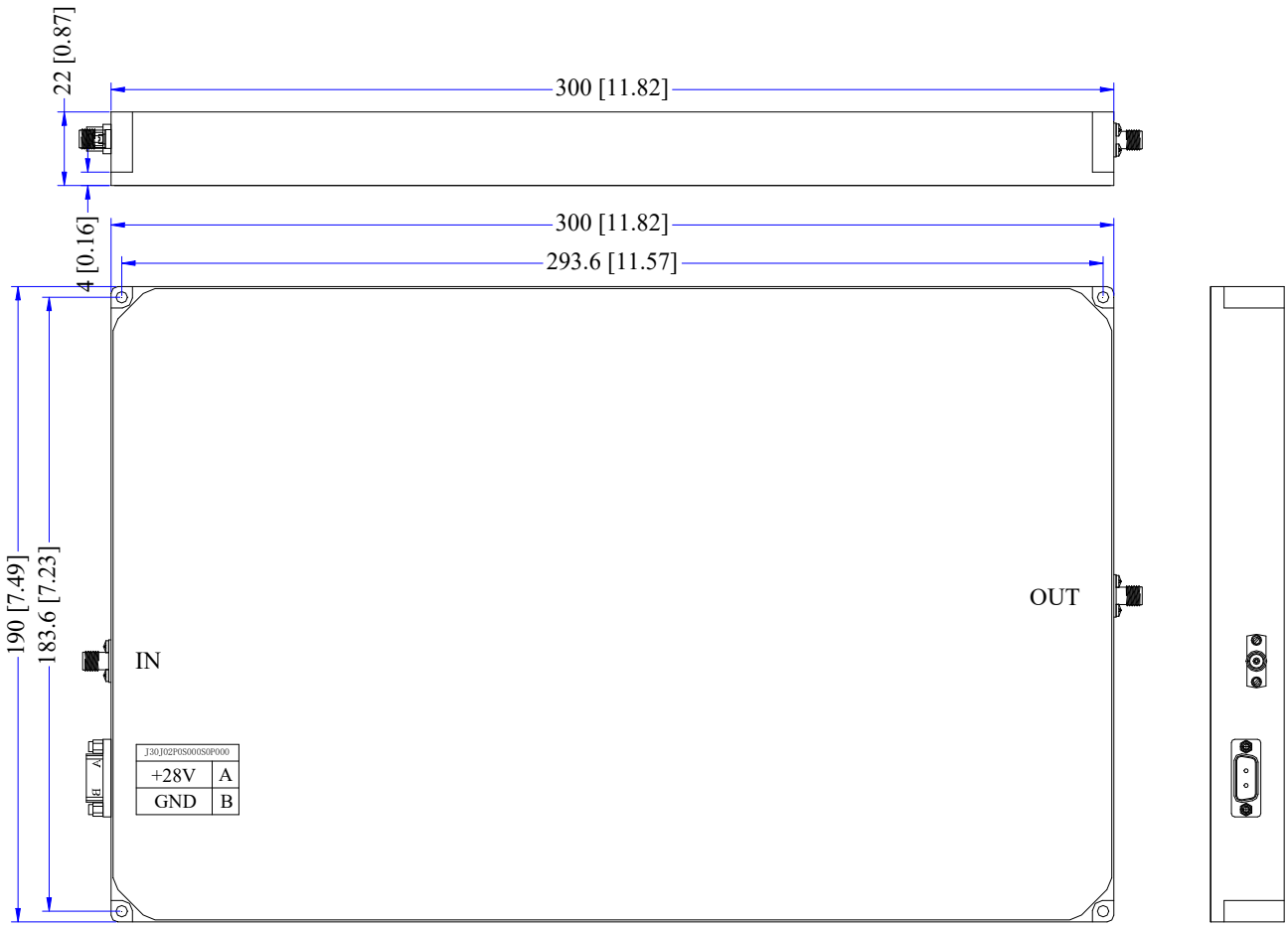
OBSERVE PRECAUTIONS ELECTROSTATIC SENSITIVE DEVICES

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■ Outline Drawing

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



J30J02P0S000S0P000 Interface definition	
A	+28V
B	GND

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.