

Power Amplifier

MPC0118.32
1GHz-18GHz

Features

- ✓ Broad band operation from 1 to 18 GHz
- ✓ Low VSWR, unconditional stable
- ✓ POE Power Supply
- ✓ SMA female connector I/O
- ✓ Gain: 32dB Typical
- ✓ Operating temperature 0~+50°C
- ✓ Storage temperature 0~+60°C

Specifications

Parameters	Minimum	Typical	Maximum
Frequency Range	1GHz		18GHz
Small Signal Gain	30 dB	32 dB	35 dB
Gain Flatness		±1.5 dB	±2.0 dB
Noise Figure			3.0dB
Input VSWR		1.8:1	2.0:1
Output VSWR		1.8:1	2.0:1
Output 1 dB Compression Point (P1dB)	20 dBm	22 dBm	
Output Third Order Intercept (OIP3)		30 dBm	
Power Supply		POE/56V	
RF Power			10dBm
RF In/Out connectors	SMA female		
Weight	About 1KG		
Size (mm)	171.2mmx127.2mmx48.8mm		

****Note:** The device will be damaged when exceeding the absolute maximum rating. It's electrostatic sensitive product and should observe the principle of electrostatic when operating. The shell temperature should not exceed +50°C. Appropriate radiators or fans are required when necessary.

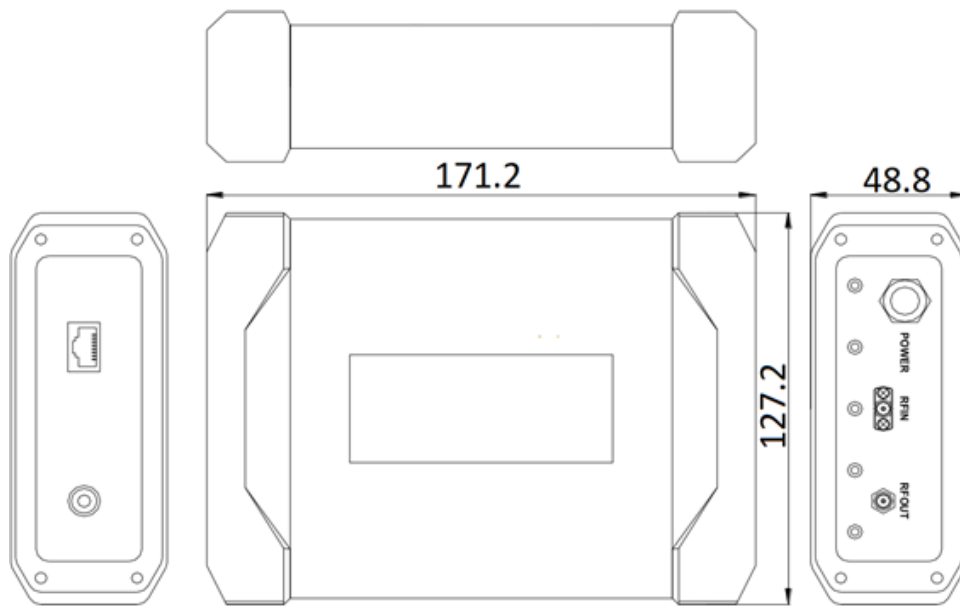
NOTES:

1. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
2. CUSTOMER OUTLINE DRAWING FOR REFERENCE ONLY



Tolerance: $\pm 0.5\%$

Outline Drawing (Unit: mm)



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