

0.5-4.2GHz 5W Power Amplifier

P/N: MZPA005042GF5W



Description:

The power amplifier is a 5W power amplifier with a typical small signal gain of 25 dB across the frequency range of 0.5 to 4.2 GHz. The typical output power P-1 34dBm. The DC power requirement for the amplifier is +28 VDC/2.5 A. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		0.5-4.2		GHz
Gain	20	25		dB
Gain Flatness		±1	±1.5	dB
Input VSWR		1.5	2.0	-
Output VSWR		2.5	3.3	-
Output Power for (P1dB)	31	34		dBm
Output Power Psat	33	36		dBm
Spurious		-60		dBc
Second and Third Harmonics at Pout=2W		15		dBc
Noise Figure		10	15	dB
OIP3	40	44		dBc
Input Max Power(no damage)			20	dBm
DC Supply Voltage		28	30	V
DC Current (Vcc=+28V)(@Pout=5W)		1.5	2.5	A
Impedance		50		Ω
Input/Output Connector	SMA-Female/SMA-Female			
Control Connector DB9	Pin: 1,2,3 4,5 NC; 6,7 Vd, 8,9 GND			
Material	Aluminium			
Weight	1000g			
Package Sealing	165X132X66mm With Heatsink and Fan			

Environmental Specifications:

- ※ Operational Temperature -25°C~+85°C
- ※ Storage Temperature -55°C~+125°C



OBSERVE
PRECAUTIONS ELECTROSTATIC
SENSITIVE DEVICES

MICZEN THCHNOLOGIES CO.,LTD.

Phone: +86 28 65003621 | E-mail: sales@miczen.com | Web: www.miczen.com

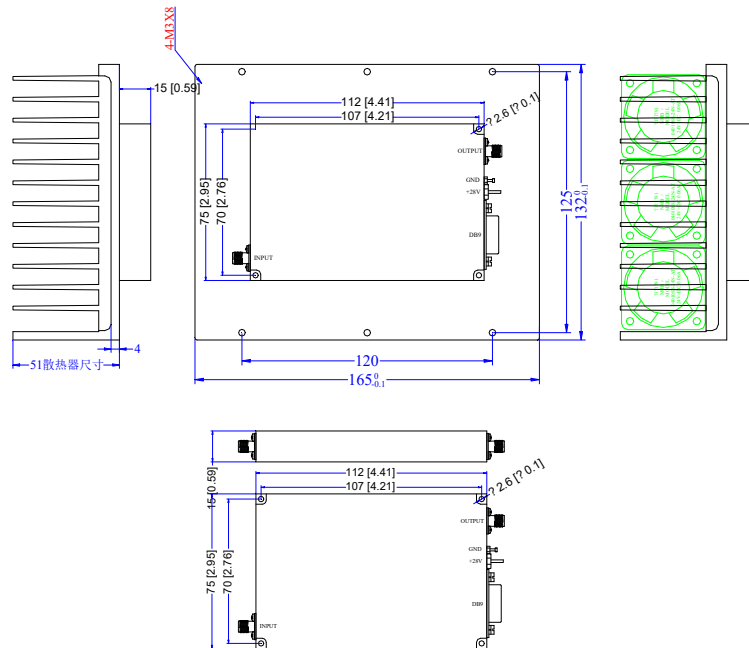
0.5-4.2GHz 5W Power Amplifier

P/N: MZPA005042GF5W



■ 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.

MICZEN THCNOLOGIES CO.,LTD.

Phone: +86 28 65003621 | E-mail: sales@miczen.com | Web: www.miczen.com