

40.75-43.25GHz AC Power Amplifier

P/N: MZPA40754325GAC4W



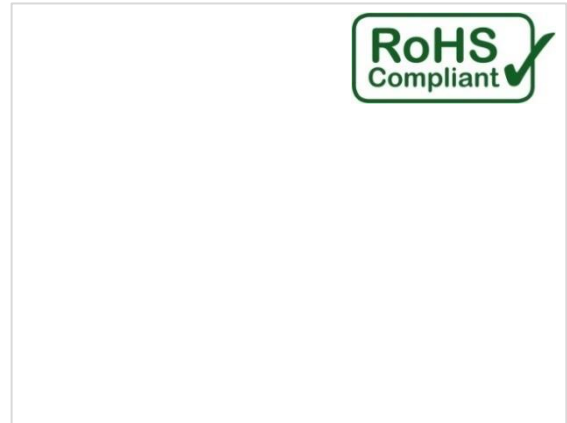
■ Features

- Ultra Wide Band: 40.75-43.25GHz
- Gain: 40dB
- Output Power Psat: 35dBm
- Bias: 110~220V/50~60Hz

■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

■ Electrical Specifications +25°C



Parameter	Min.	Typ.	Max	Units
Frequency Range	40.75-43.25			GHz
Small Signal Gain	36			dB
Gain Flatness		±2		dB
Gain Variation Over Temperature			±1.5	dB
Input VSWR		1.8		-
Output Power for 1 dB Compression (P1dB)		34		dBm
Saturated Output Power (Psat)	35			dBm
Harmonic Rejection		15		dB
Input Max Power(no damage)			5	dBm
Internally Generated Spurious		-60		dBc
Supply Voltage	110~220V/50~60Hz			
Functional	VSWR Protection			
Impedance	50			Ω
Input Output Connector	2.92mm-Female			
Material	Aluminium			
Weight	5kg			

MICZEN THCNOLOGIES CO.,LTD.

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

40.75-43.25GHz AC Power Amplifier

P/N: MZPA40754325GAC4W



■ Environmental Conditions

Operational Temperature	-35°C~+70°C	Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Storage Temperature	-55°C~+125°C	Shock	20G for 11msc half sin wave, 3 axis both directions
Executive Standard	MIL-STD-810G	Humidity	100% RH at 35c, 95%RH at 40°C

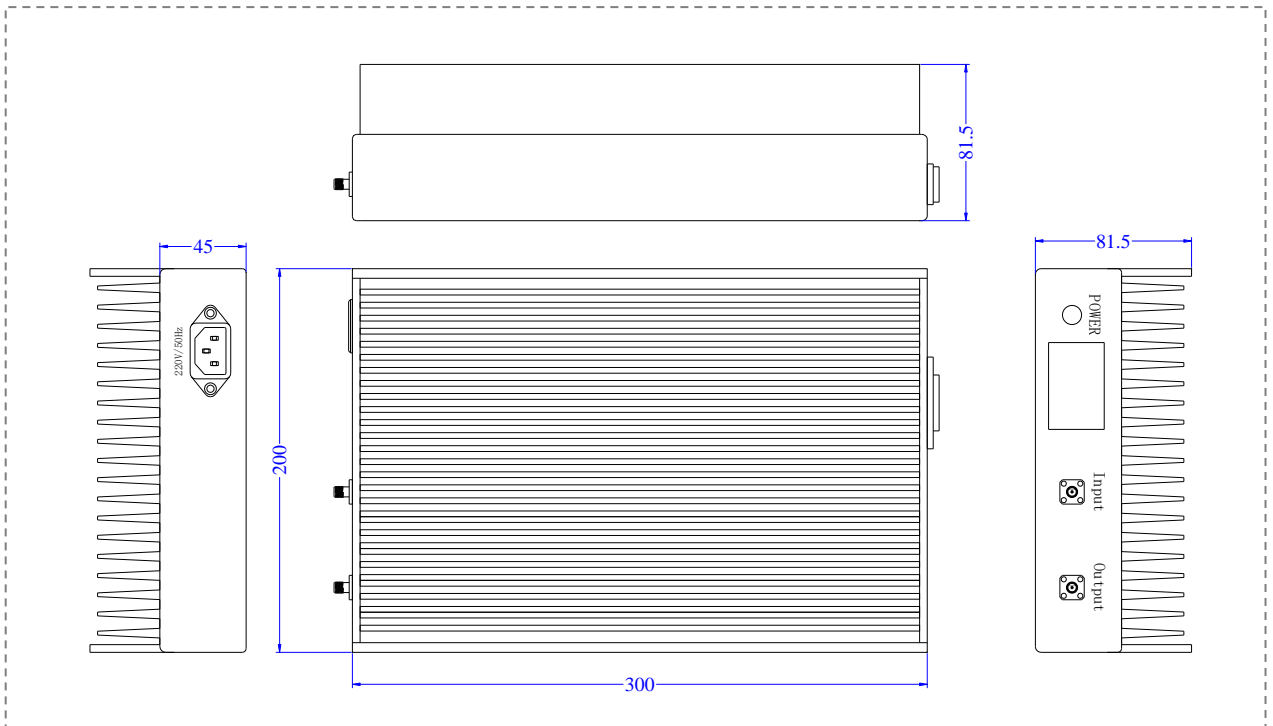
■ Absolute Maximum Ratings

Supply Bias Voltage	/
RF INPUT POWER	+5dBm
ESD sensitivity (HBm)	Class 0, passed 150V



■ Outline Drawing

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



MICZEN THCNOLOGIES CO.,LTD.

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