

# 2-6GHz Broadband Power Amplifier

P/N: MZPA0206GA75W



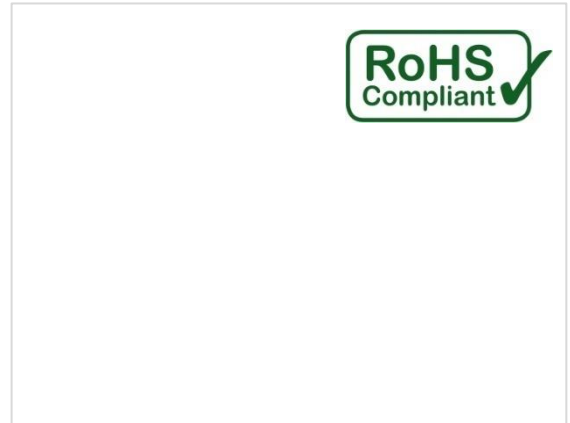
## ■ Features

- Ultra Wide Band: 2-6GHz
- Gain: 53dB
- Output Power Psat: 75dBm
- Bias: Vd=28V;Id=12A

## ■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

## ■ Electrical Specifications +25 °C



Parameter	Min.	Typ.	Max	Units
Frequency Range		2-6		GHz
Small Signal Gain	50	53		dB
Power Gain Flatness		±3	±4	dB
Input /Output VSWR		1.5	2.0	-
Output Power for 1 dB Compression (P1dB)		50		dBm
Saturated Output Power (Psat)	75			dBm
Input Max Power(no damage)			10	dBm
Noise Power Density (-40 dBm/MHz)			-40	dBm
Harmonics		12		dBc
Spurious	-60			dBc
DC Current (Vcc=+28V) (@Pout75W)		10	13	A
Impedance		50		Ω
TTL Control "Low"/"High"		Low: Enable / High: Disable		
Control Connector DB9		Pin: 1,2,3 VD; 4 TTL, 5 6 NC;7,8,9 GND		
Input Output Connector		SMA-Female/SMA-Female		
Material		Aluminium		
Weight		1000g		
Dimension		300X190X19mm		

MICZEN THCNOLOGIES CO.,LTD.

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

# 2-6GHz Broadband Power Amplifier

## P/N: MZPA0206GA75W



### ■ Environmental Conditions

<b>Operational Temperature</b>	-30°C~+70°C	<b>Vibration</b>	25g rms (15 degree 2KHz) endurance, 1 hour per axis
<b>Storage Temperature</b>	-45°C~+85°C	<b>Shock</b>	20G for 11msc half sin wave, 3 axis both directions
<b>Executive Standard</b>	MIL-STD-810G	<b>Humidity</b>	100% RH at 35c, 95%RH at 40°C

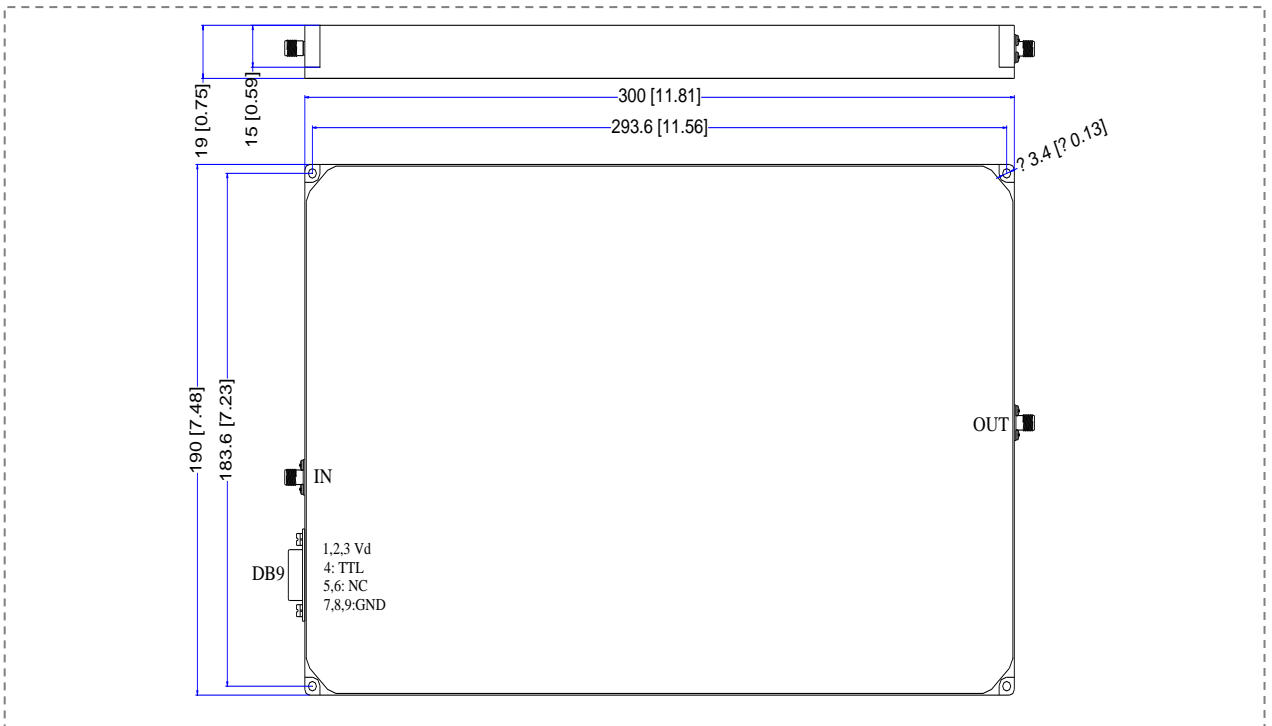
### ■ Absolute Maximum Ratings

<b>Supply Bias Voltage</b>	+32V
<b>RF INPUT POWER</b>	+5dBm
<b>ESD sensitivity (HBm)</b>	Class 0, passed 150V



### ■ Outline Drawing

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



**\*\*\*Heat Sink required during operation\*\*\***

**MICZEN THCHNOLOGIES CO.,LTD.**

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