

# 26-28GHz Broadband Power Amplifier

P/N: MZPA2628GA10W



## ■ Features

- Ultra Wide Band: 26-28GHz
- Gain: 38dB
- Output Power Psat: 40dBm
- Bias: Vd=12V;Id=6A

## ■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

## ■ Electrical Specifications +25 °C



Parameter	Min.	Typ.	Max	Units
Frequency Range	26-28			GHz
Small Signal Gain	35	38		dB
Gain Flatness		± 2		dB
Input VSWR		2.0		-
Output Power for 1 dB Compression (P1dB)	40	40.5		dBm
Saturated Output Power (Psat)		41		dBm
Spurious		-60		dBc
Input Max Power(no damage)			5	dBm
Internally Generated Spurious		-60		dBc
DC Current (Vcc=+12V) (@Pout=10W)		6	10	A
Impedance	50			Ω
Input Output Connector	2.92mm-Female			
Material	Aluminium			
Weight	-			
Dimension	180X152X34mm			

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### ■ Environmental Conditions

<b>Operational Temperature</b>	-45°C~+85°C	<b>Vibration</b>	25g rms (15 degree 2KHz) endurance, 1 hour per axis
<b>Storage Temperature</b>	-55°C~+125°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

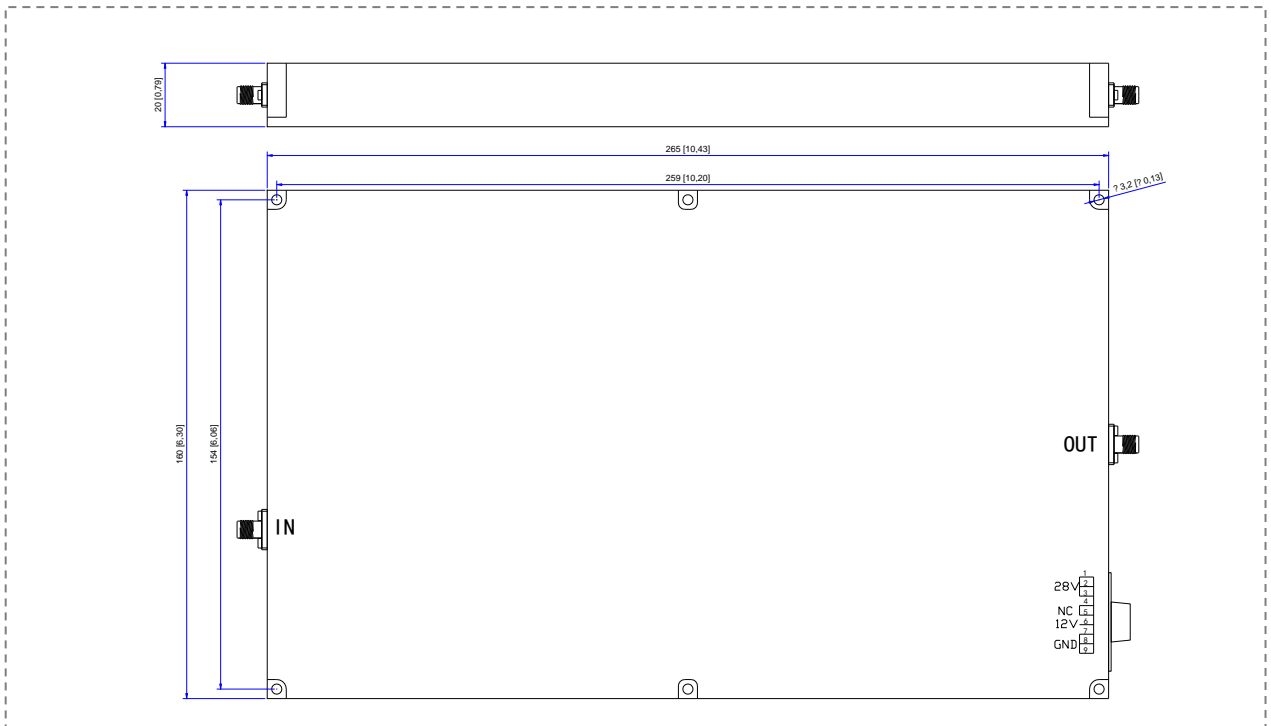
<b>Supply Bias Voltage</b>	+15V
<b>RF INPUT POWER</b>	+5dBm
<b>ESD sensitivity (HBm)</b>	Class 0, passed 150V



OBSERVE PRECAUTIONS  
ELECTROSTATIC SENSITIVE  
DEVICES

### ■ Outline Drawing

All Dimensions in mm ( inches ) Tolerance  $\pm 0.25$  ( 0.01 )



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

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