

# 26-40GHz Broadband Power Amplifier

## P/N: MZPA2640GA1.5W



### ■ Features

- Ultra Wide Band: 26-40GHz
- Gain: 30dB
- Output Power: 32dBm
- High Output IP3: 40dBm

### ■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

### ■ Electrical Specifications +25 °C



Parameter	Min.	Typ.	Max	Units
Frequency Range		26-40		GHz
Gain	28	30		dB
Gain Flatness		±2.5		dB
Input VSWR		2.0		-
Output VSWR		2.0		-
Output Power for 1 dB Compression (P1dB)	31			dBm
Saturated Output Power (Psat)		32		dBm
Input Max Power(no damage)			10	dBm
Non-Harmonic Spurious	60	-62		dBc
DC Current (Vcc=+12V)		2.0	2.5	A
Impedance		50		Ω
Input Output Connector		2.92mm-Female		
Material		Aluminium		
Weight		50g		
Size		50X55X12mm		
Package Sealing		General Sealing (Standard) Hermetically Seal(Optional)		

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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

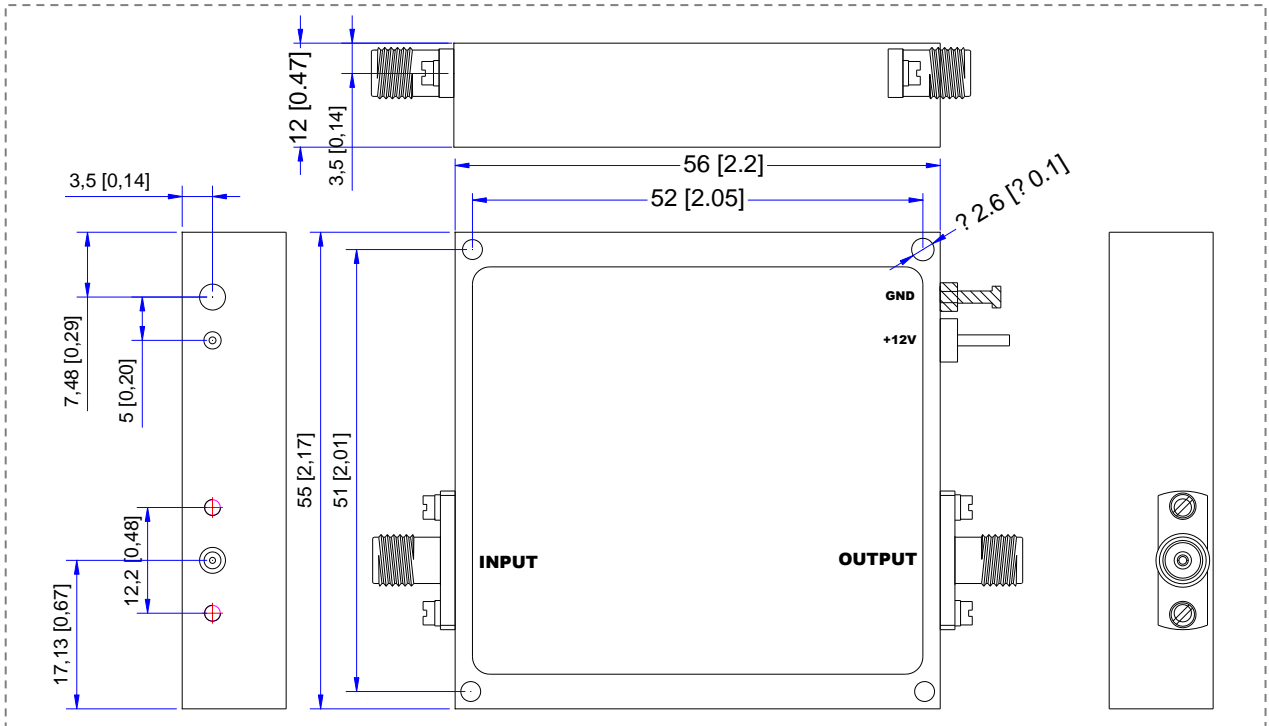
## ■ Absolute Maximum Ratings

<b>Supply Bias Voltage</b>	+15V
<b>RF INPUT POWER</b>	10dBm
<b>ESD sensitivity (HBm)</b>	Class 0, passed 150V



## ■ Outline Drawing

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



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

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