

1-6GHz 250W Power Amplifier

P/N: MZPA0106GA250W



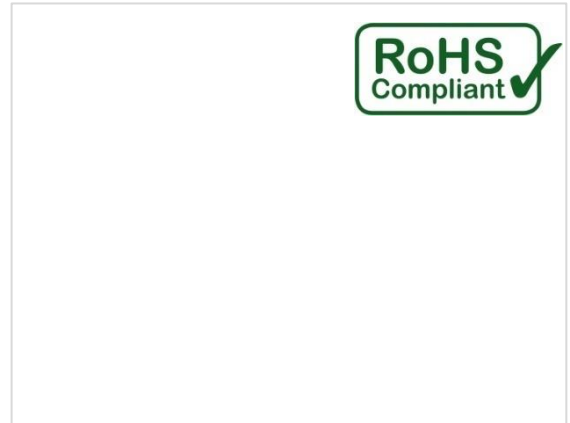
■ Features

- Ultra Wide Band: 1-6GHz
- Gain: 55dB
- Output Power Psat: 54dBm
- Bias: Vd=30V;Id=40A

■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

■ Electrical Specifications +25°C



Parameter	Min.	Typ.	Max	Units
Frequency Range	1-6			GHz
Small Signal Gain	54	57		dB
Gain Flatness		±3	±5.5	dB
Input VSWR		1.5	2.5	-
Output Power for 1 dB Compression (P1dB)	51	52		dBm
Saturated Output Power (Psat)	53	54		dBm
Harmonic Rejection		13		dB
Spurious		-60		dBc
Input Max Power(no damage)			5	dBm
DC Current (Vcc=+28~30V) (@Pout=120W)		25000	40000	mA
Impedance	50			Ω
Input Output Connector	SMA-Female/N-Female			
Material	Aluminium			
Weight	20Kg			
Package Sealing	With air cooling			

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■ Environmental Conditions

Operational Temperature	-30°C~+70°C	Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Storage Temperature	-45°C~+85°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

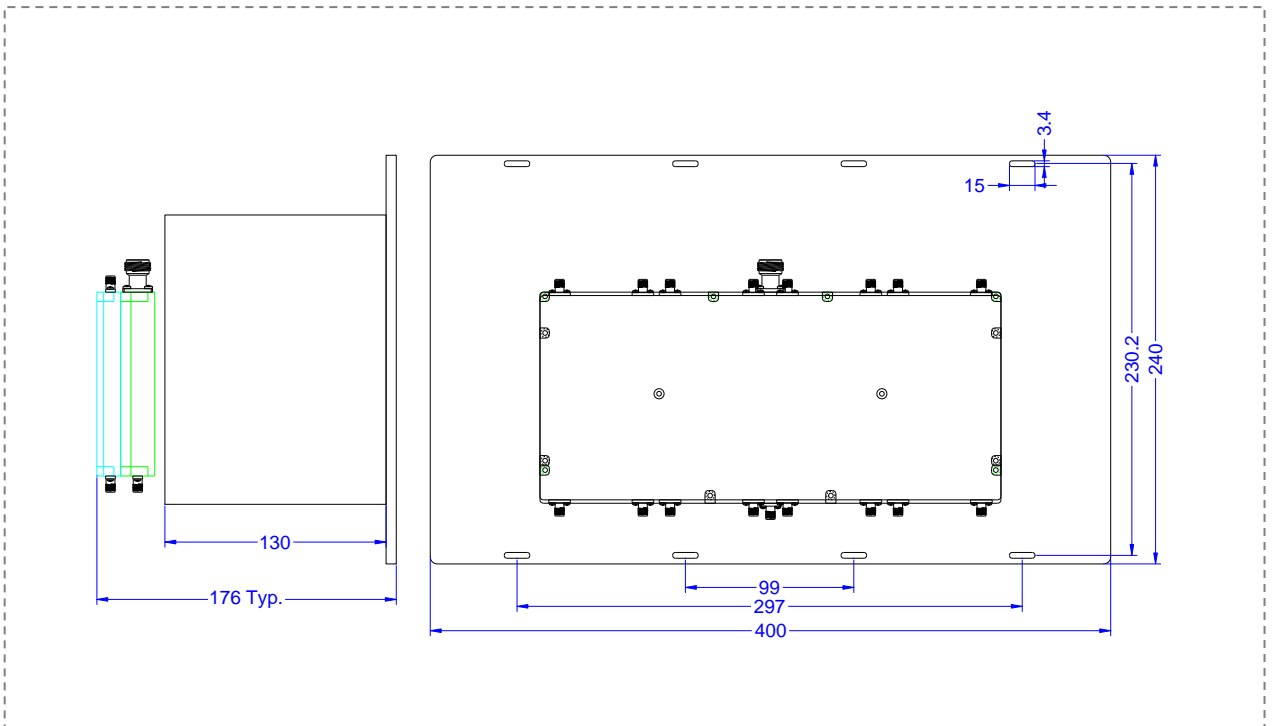
■ Absolute Maximum Ratings

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



■ Outline Drawing

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



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