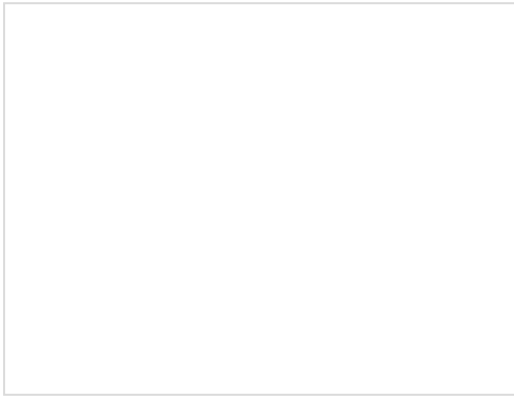




MODEL HIPA02063333

2-6GHz Broadband Power Amplifier



■ Features

- Ultra Wide Band: 2-6GHz
- Gain: 33dB
- Output Power Psat: 34dBm

■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

□ Electrical Specifications

Parameter	Min.	Typ.	Max	Units
Frequency Range	2-6			GHz
Small Signal Gain	31	33		dB
Gain Flatness		±0.8	±1.0	dB
VSWR		1.6	2.0	-
Output Power for 1 dB Compression (P1dB)	33			dBm
Saturated Output Power (Psat)		34		dBm
Input Max Power(no damage)			17	dBm
NF		5	5.5	dB
Noise figure at -55°C~+85°C			6	dB
IP3		42		dBm
Internally Generated Spurious		-60		dBc
DC Current (Vcc=+11-18V) (@Pout=2W)		1.5	1.7	A
Impedance	50			Ω
Input Output Connector	SMA			
Material	Aluminium			
Weight	-			
Dimension	80X67X12mm			

Environmental Conditions

Operational Temperature	-45°C~+85°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	+18V
RF INPUT POWER	+17dBm
ESD sensitivity (HBm)	Class 0, passed 150V

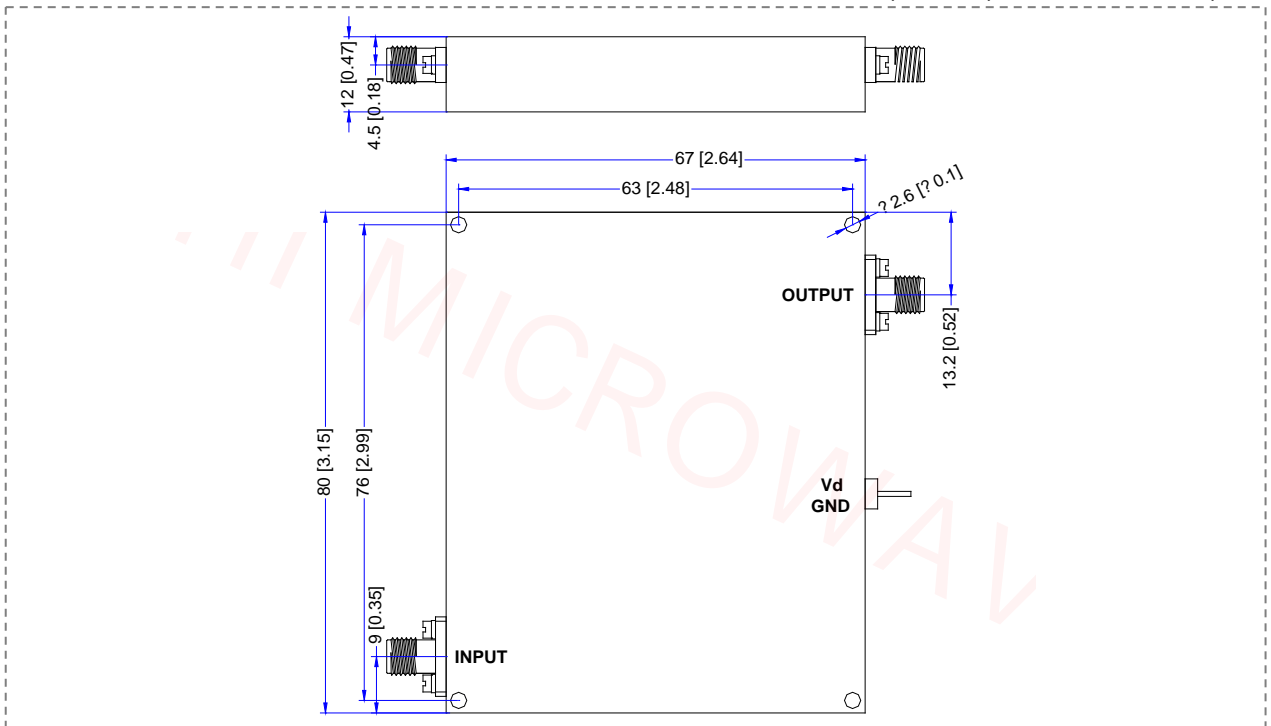


OBSERVE
PRECAUTIONS
ELECTROSTATIC
SENSITIVE
DEVICES



Outline Drawing

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



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