

Note: The photo is for illustration purposes only.  
Please refer to outline drawing

### ■ Features

- Ultra Wide Band: 8-12GHz
- Gain: 35dB
- Output Power Psat: 47dBm

### ■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

### □ Electrical Specifications


Parameter	Min.	Typ.	Max	Units
Frequency Range	8-12			GHz
Small Signal Gain	33	35		dB
Gain Flatness		±1.5	±2	dB
Input VSWR		1.5	2.0	-
Output Power (CW)	43			dBm
Saturated Output Power (Peak)	47			dBm
Saturation recovery time			100	ns
NF		6		dB
Spurious		-60		dBc
Input Max Power(no damage)			19	dBm
Internally Generated Spurious		-60		dBc
DC Current (Vcc=+30V) (@Pout=50W)		5		A
Impedance	50			Ω
Input Output Connector	SMA-k/SMA-K			
Material	Aluminium			
Weight	1000g			

### Environmental Conditions

<b>Operational Temperature</b>	-35°C~+70°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>	+32V
<b>RF INPUT POWER</b>	+19dBm
<b>ESD sensitivity (HBm)</b>	Class 0, passed 150V

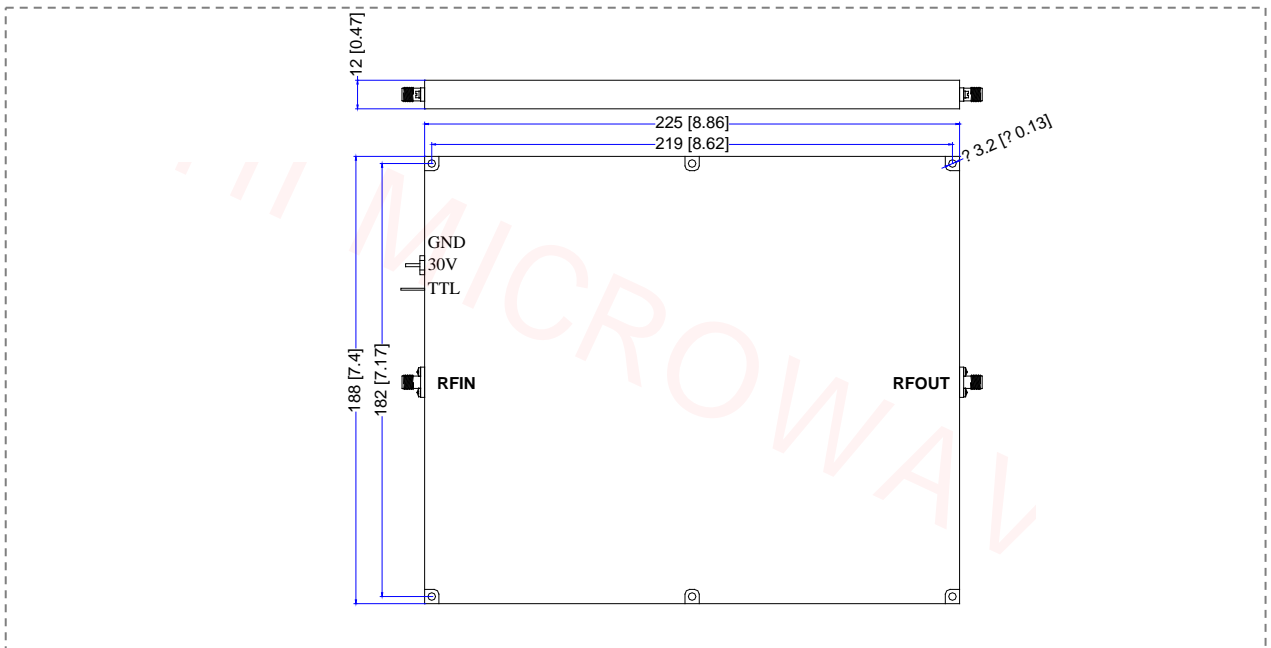


OBSERVE PRECAUTIONS ELECTROSTATIC SENSITIVE DEVICES



### Outline Drawing

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



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