

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

### ■ Features

- Ultra Wide Band: 8-12GHz
- Gain: 45dB
- Output Power Psat: 47dBm
- Bias: Vd=30V;Id=5A

### ■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

### □ Electrical Specifications


Parameter	Min.	Typ.	Max	Units
Frequency Range	8-12			GHz
Small Signal Gain	40	45		dB
Gain Flatness		±1.5	±2	dB
Input VSWR		1.5	2.0	-
Output Power (CW)	43			dBm
Saturated Output Power (Peak)	46			dBm
NF		8		dB
Spurious		-60		dBc
Input Max Power(no damage)			10	dBm
Internally Generated Spurious		-60		dBc
Control TTL	Enable: TTL "High" Disable: TTL "Low"			
DC Current (Vcc=+30V) (@Pout=40W)		5		A
Function	Over Current & Over temperature protection			
Impedance	50			Ω
Input Output Connector	SMA-k/SMA-K			
Material	Aluminium			
Weight	1000g			

### Environmental Conditions

<b>Operational Temperature</b>	-25°C~+65°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

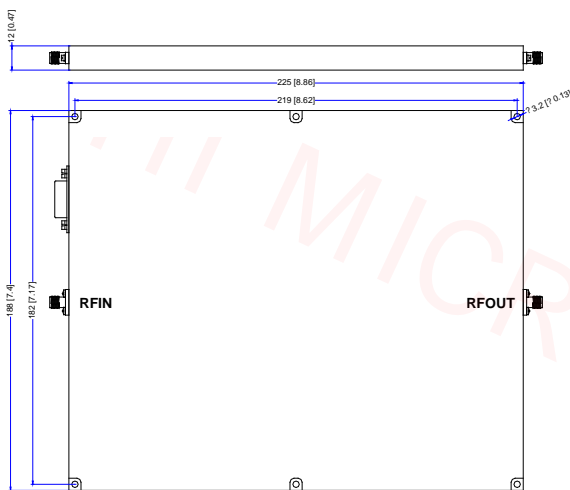


OBSERVE  
PRECAUTIONS  
ELECTROSTATIC  
SENSITIVE  
DEVICES



### Outline Drawing

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



Pin#	Pin Function
1,2	Vdc
3,4	GND
5	Enable: TTL "High" Disable: TTL "Low"
6	VVA Preferable (optional)
7,8,9	NC

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