



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

### ■ Features

- Band: 27-29MHz
- Gain: 35dB
- Output Power Psat: 48dBm

### ■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

### □ Electrical Specifications

Parameter	Min.	Typ.	Max	Units
Frequency Range	27-29			MHz
Small Signal Gain	33	35		dB
Power Gain Flatness		±0.5	±1	dB
Input VSWR		1.4	1.6	-
Output Power for 1 dB Compression (P1dB)	46	47		dBm
Saturated Output Power (Psat)		48		dBm
Input Max Power(no damage)		10	20	dBm
Harmonics @P-1	-35			dBc
Spurious Non-harmonics	-60			dBc
Efficiency		40%		
DC Current (Vcc=+24V) (@Pout=47dBm)		5		A
Impedance	50			Ω
Control Connector DB9	Pin: 1,2,3 VD; 4 ,5,6 NC, 7,8,9 GND			
Input Output Connector	SMA-k/SMA-K			
Material	Aluminium			
Weight	-			
Dimension	150X70X25mm			

### Environmental Conditions

<b>Operational Temperature</b>	-35°C~+110°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>	+28V
<b>RF INPUT POWER</b>	+20dBm
<b>ESD sensitivity (HBm)</b>	Class 0, passed 150V

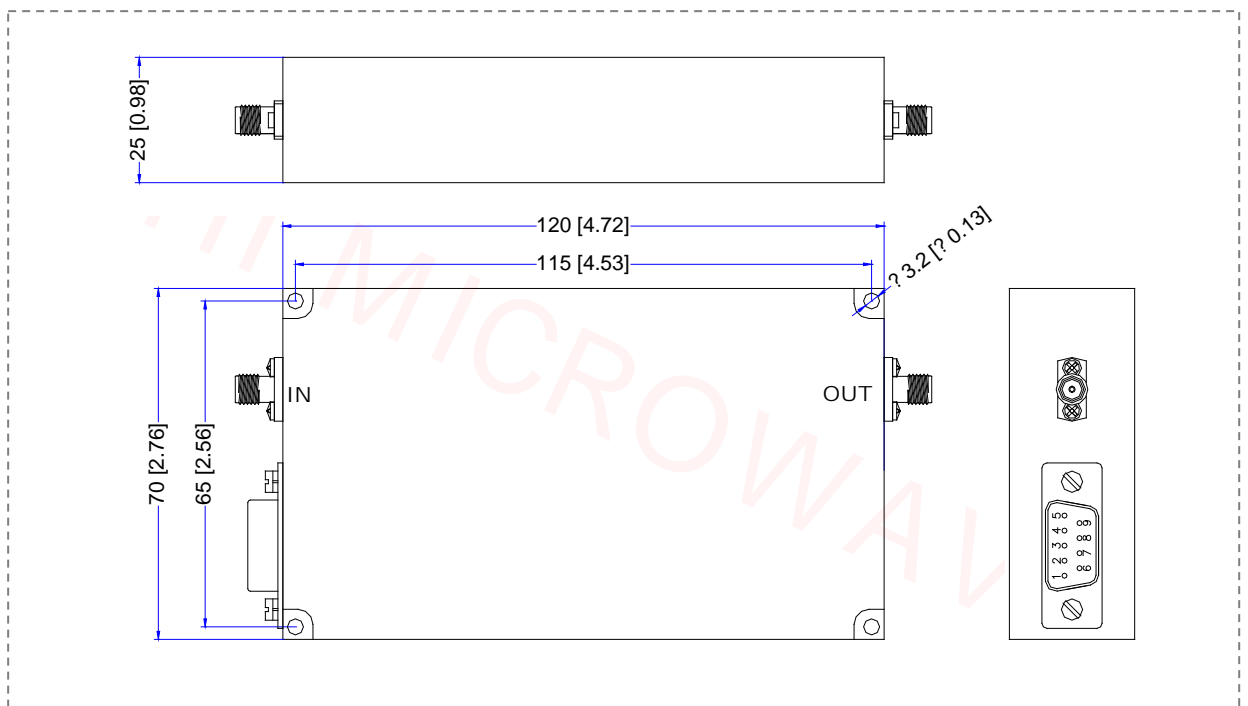


OBSERVE  
PRECAUTIONS  
ELECTROSTATIC  
SENSITIVE  
DEVICES



### Outline Drawing

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



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