

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

■ Features

- Ultra Wide Band: 45.8-46.1GHz
- Gain: 35dB
- Output Power Psat: 36dBm
- Bias: 12V/3A

■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

□ Electrical Specifications

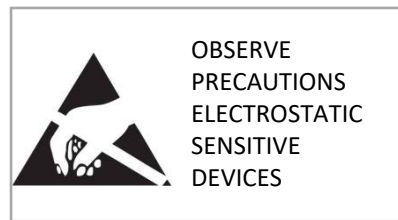
Parameter	Min.	Typ.	Max	Units
Frequency Range	45.8-46.1			GHz
Small Signal Gain	30			dB
Gain Flatness		±0.5		dB
Input VSWER		2.0		-
Output Power for 1 dB Compression (P1dB)		35		dBm
Saturated Output Power (Psat)		36		dBm
Input Max Power(no damage)			10	dBm
Internally Generated Spurious		-60		dBc
Supply DC power(+12V)		3	5	A
Impedance	50			Ω
Input Output Connector	2.4-K			
Material	Aluminium			
Weight	80g			

Environmental Conditions

Operational Temperature	-25°C~+65°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	15V
RF INPUT POWER	+10dBm
ESD sensitivity (HBm)	Class 0, passed 150V



Outline Drawing

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

