



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

■ Features

- Ultra Wide Band: 0.06-0.3GHz
- Gain: 32dB
- Output Power P-1: 36dBm
- Bias: Vd= 28V; Id= 0.5A

■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

□ Electrical Specifications


Parameter	Min.	Typ.	Max	Units
Frequency Range	0.06-0.3			GHz
Small Signal Gain	30			dB
Gain Flatness		±1	±2	dB
Input VSWR			2	-
Output Power for 1 dB Compression (P1dB)	36			dBm
Saturated Output Power (Psat)	37			dBm
Input Max Power(no damage)			12	dBm
Internally Generated Spurious	60			dBc
DC Current (Vcc=+28 V) (@Pout= 4W)		0.5		A
Impedance	50			Ω
Input/ Output Connector	SMA-k/SMA-k			
Material	Aluminum			
Finishing	Color oxidation			
Weight	-			
Dimension	140mm*65mm*23mm			

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	30
RF INPUT POWER	12dB
ESD sensitivity (HBm)	Class 0, passed 150V



OBSERVE PRECAUTIONS ELECTROSTATIC SENSITIVE DEVICES



Outline Drawing

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

