

FEATURES

- Wide Bandwidth
- Low Power Consumption
- Low Noise Figure
- Miniature Sizes, Field Removable connector
- Compact/Rugged Thin-Film Construction

APPLICATIONS

- Microwave Radio & VSAT
- Military & Space
- Test Instrumentation
- Fiber Optics



ELECTRICAL SPECIFICATIONS@25°C:

Parameter	Min	Typical	Max	Units
Frequency Range	33		37	GHz
Output Dynamics	30			dB
Psat Gain Flatness@Within 4GHz bandwidth			±1.5	dB
Output Power (CW)	200			Watt
Spurious			-50	dBc
Coupling Accuracy		40		dB
VSWR Input			2:1	Ratio
Input Voltage	220V			

Note:1.Forced air cooling. 2.Power consumption < 3000W.

3.Start up control, over current protection, over voltage protection, under voltage protection, over temperature protection, VSWR protection

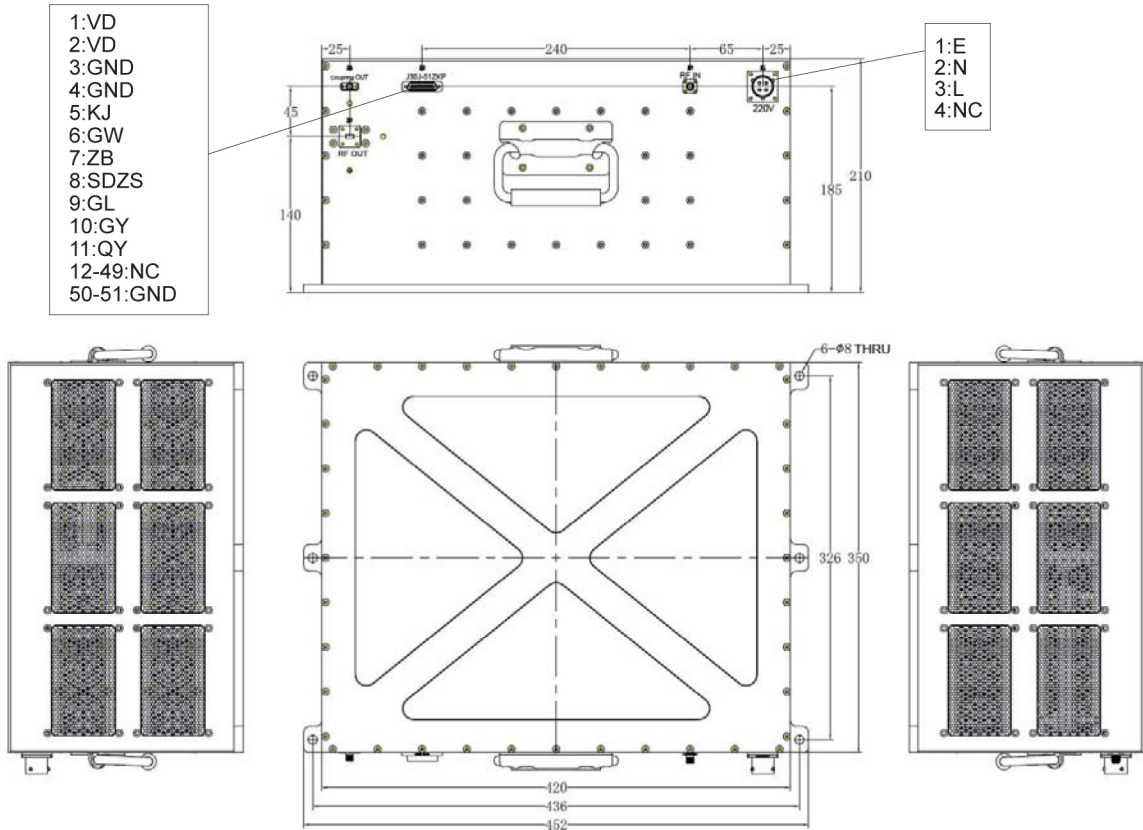
ENVIRONMENTAL RATINGS:

Parameter	Min	Typical	Max	Units
Max Input power	13		15	dBm
Operating Temperature	-40		+55	°C
Non-operating Temperature	-55		+65	°C
Relative humidity (non-condensing)		95		%
Altitude		/		feet
Shock / Vibration		/		

MECHANICAL SPECIFICATIONS:

Parameter	Value	Limits	Units
Dimensions	420*350*210	Max	Milimeter
Weight	35.5	Max	Kg
RF Connectors Input	2.92mm-F		
RF Connectors output	FBP320		
Coupling Output Connectors	2.92mm-F		
Impedance			ohms

OUTLINE DRAWING(mm):



TEST DATA:

1.CW output power and spurious

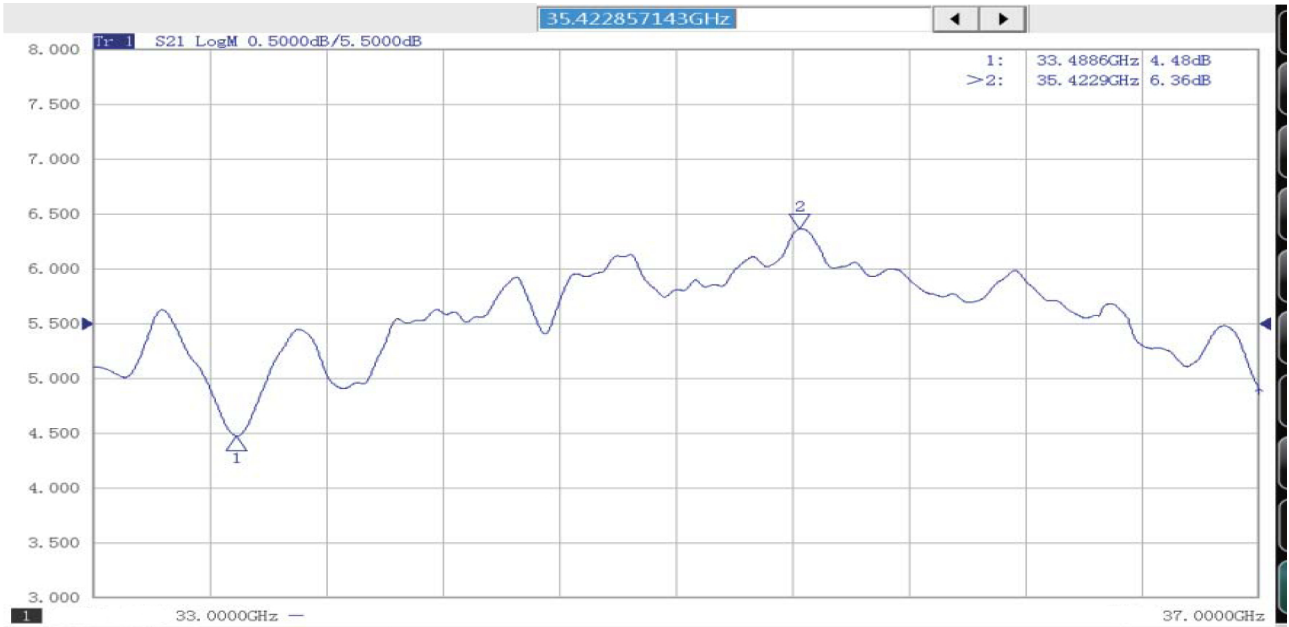
Test conditions: VAC=220V, Idq≤8.0A; Pin=12dBm

Frequency Range(GHz)	Psat Output Power (dBm)	current (A)	Spurious (dBc)
33	54.67	9.07	
33.5	53.91	9.1	
34	54.75	9.56	
34.5	54.65	9.55	
35	55.05	9.76	>60
35.5	55.27	9.6	
36	54.69	8.9	
36.5	54.88	9.26	
37	54.1	8.46	

2. Gain and Gain Flatness

Test conditions: 1. VAC = 220V, IDq ≤ 8A; 2. input power: 12dBm; 3. output using 40dB coupler.

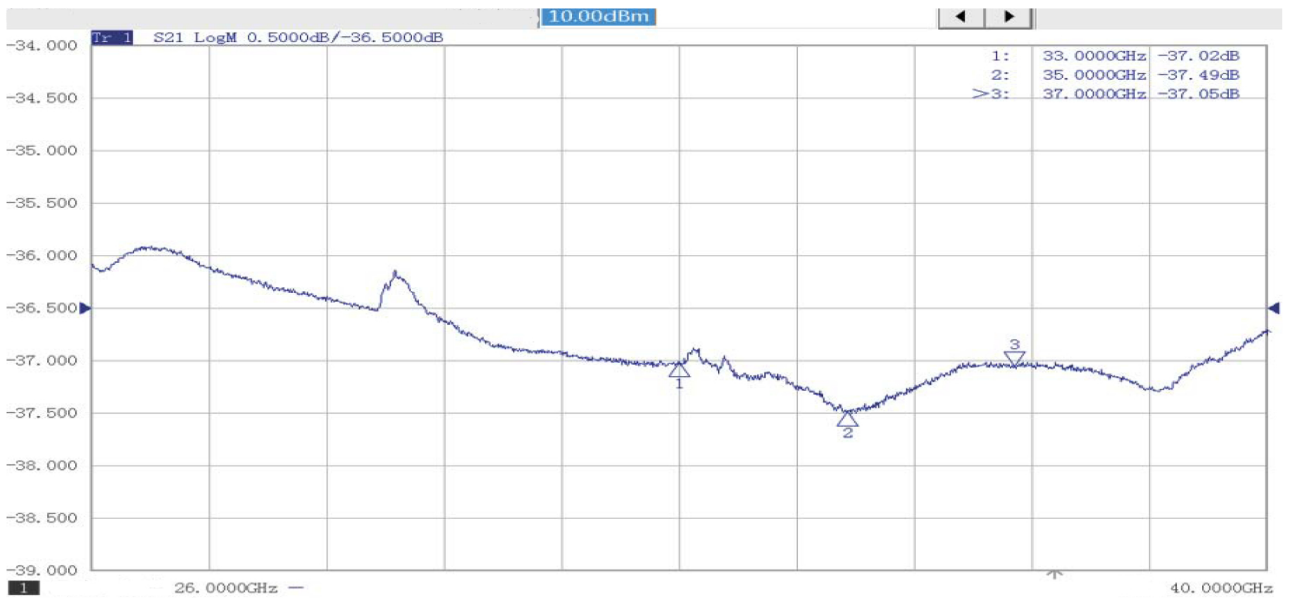
Frequency Range(GHz)	Gain(dB)	Gain Flatness(dB)
33.49	44.48	±0.94
35.42	46.36	



3. Coupling and Input VSWR

Test conditions: 1. VAC = 220V, IDq ≤ 8A; 2. input power: 12dBm.

Frequency Range(GHz)	Coupling (dB)	Coupling Flatness(dB)
35	-37.49	±3.5
33.2	-36.8	



Test conditions: 1. VAC = 220V, IDq ≤ 8A; 2. input power: 12dBm.

Frequency Range(GHz)	Input VSWR (dB)
35.76	1.33 (max)

