

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	6		18	GHz
Power Gain		52		dB
Gain Flatness		±4		dBm
Output Power	100			Watt
Spurious		-55		dBc
Harmonic				dBc
Input VSWR			2:1	Ratio
Input voltage		28		Volt
Current		40		A

- Note:
- 1.Air forced cool.
 - 2.Over Temperature Protection; Over Voltage Protection; Over VSWR Protection; Remote switching machine.
 - 3.Output power measurement.
 - 4.Remote activation of the amplifler.

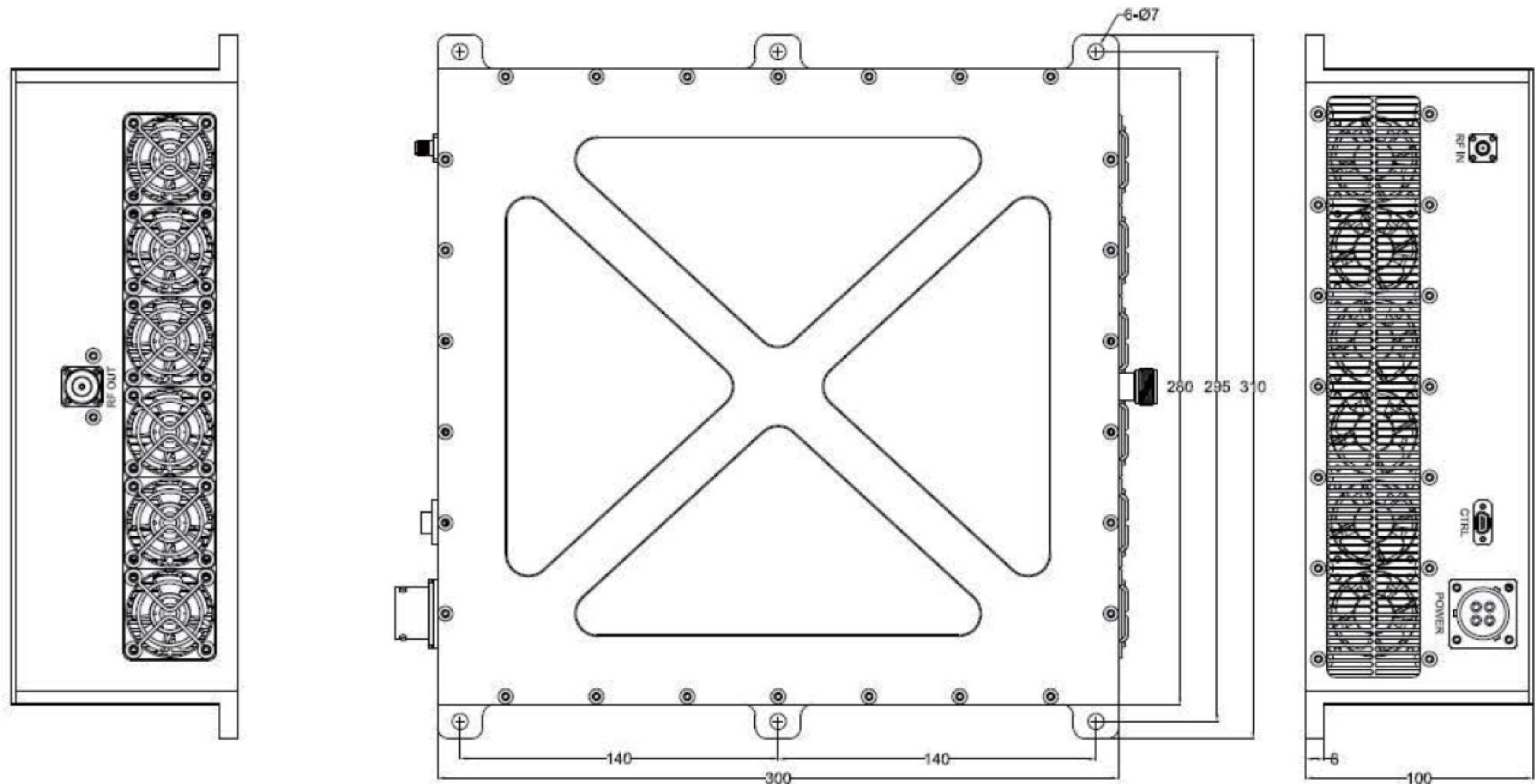
ENVIRONMENTAL RATINGS:

Parameter	Min	Typical	Max	Units
Max Input power			+20	dBm
Operating Temperature	-40		+55	°C
Non-operating Temperature	-55		+85	°C
Relative humidity (non-condensing)		95		%
Altitude (MIL-STD-810F)				feet
Shock / Vibration (MIL-STD-810F)				

MECHANICAL SPECIFICATIONS:

Parameter	Value	Limits	Units
Dimensions	300*310*100	Max	Milimeter
Weight	20	Max	Kg
RF Connectors Input	SMA-F		
RF Connectors output	N-F		
Impedance	50		ohms

OUTLINE DRAWING(mm):



PM168

TEST DATA:

Freq(GHz)	Cable(dB)	Input(dBm)	Pow(dBm)	Level(dB)
6	1.6	-8.1	51.16	39.44
7	1.75	-1	53.25	38.74
8	1.89	-6.2	52.32	38.88
9	2.02	-4.1	50.56	38.71
10	2.14	-3.4	50.5	38.67
11	2.27	-3	50.87	39.02
12	2.39	-4.1	49.8	39.23
13	2.47	-4	50.86	38.82
14	2.59	-2.9	51.89	39
15	2.72	-6.3	51.16	38.76
16	2.85	-6.8	50.95	38.61
17	2.96	-5.5	50.2	38.87
18	3.08	-4.9	50.49	38.82

JS

Microwave

Technology & Solution

JSH060180G5250

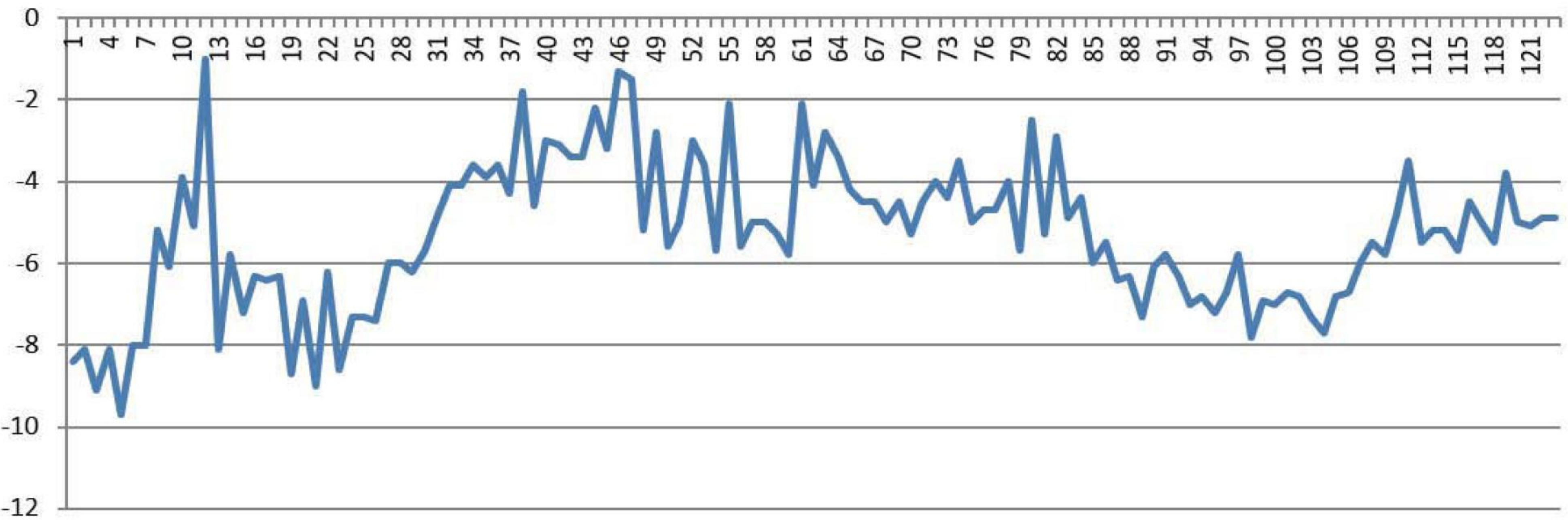
6-18 GHz

100W

SOLID STATE

HIGH POWER AMPLIFIER

Fix Input (dBm)



Psat Output (dBm)

