

Model: TMPA-050075-1616-15

Power Amplifier

50-75GHz, Gain:18 dB,Psat:16 dBm

Feature:

- Frequency Range:50-75 GHz
- Gain:18 dB Typ
- Output Power Psat:16dBm Min
- Good Power and Gain Flatness

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	50-75			GHz
Small Signal Gain		18		dB
Gain Flatness		±2		dB
Output Psat	16	17		dBm
Input VSWR		2.2		:1
Output VSWR		1.8		:1
DC Voltage		+12		V DC
DC Supply Current		70		mA

机械Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	WR-15/UG-385/U	
DC Bias	Solder Pin	
Size	35.2*30*23	mm
Weight	/	g

Absolute Maximum Ratings:

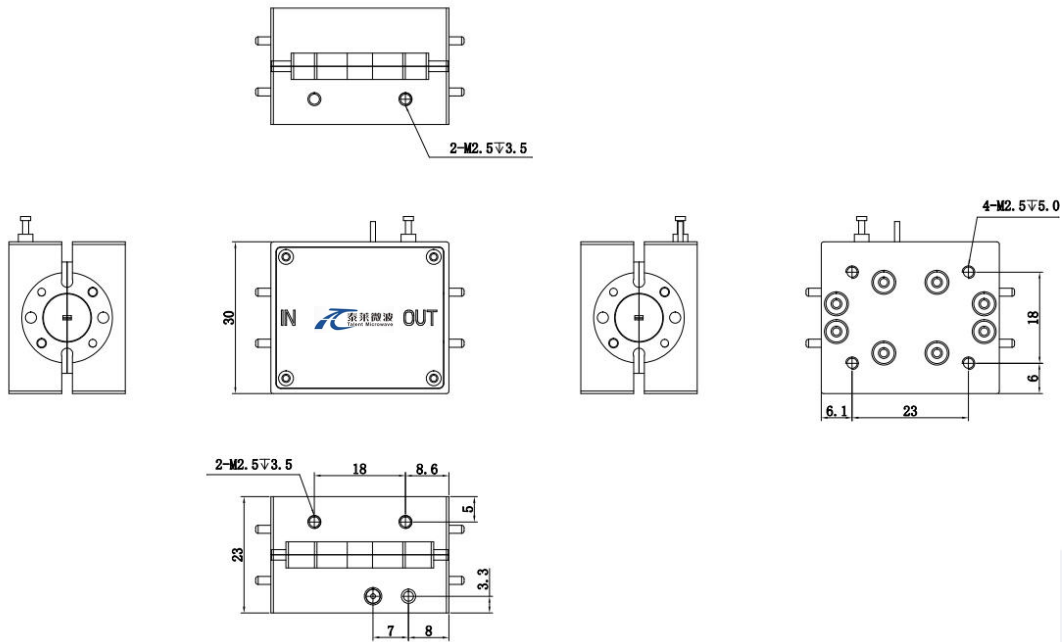
Parameter	Value
Supply Bias Voltage	15 V
RF Input Power	10 dBm
ESD sensitivity (HBm)	Class 0, passed 150V



Available 220V System
Benchtop Amplifier

Outline Drawing:

Unit: mm(Inches)



Environmental Conditions:



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

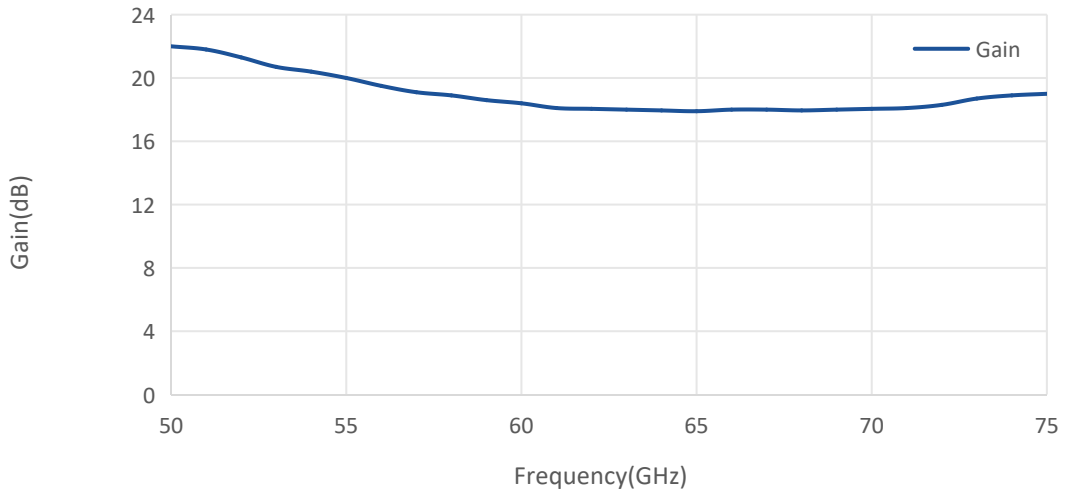
Parameter	Min	Typ	Max	Units
Operating Temperature	-20		+50	°C
Non-operating Temperature	-55		+125	°C
Relative humidity		95		%
Altitude	50,000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

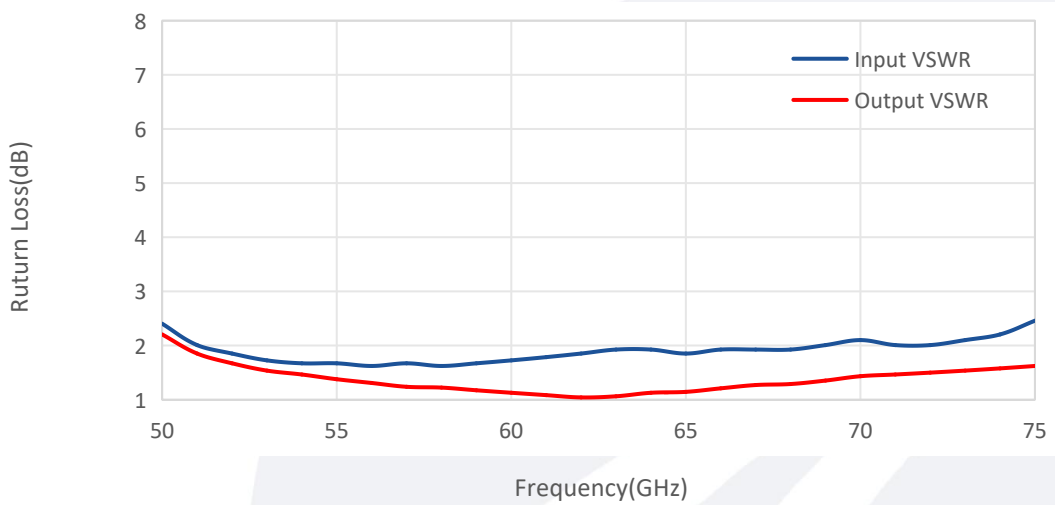
Part Number	Description	Revision
TMPA-050075-1616-15	Power Amplifier,50-75 GHz, Gain:18 dB Typ,Psat:16 dBm Typ,+12V DC,WR-15	Rev.1.1

Typical Performance Data:

Gain vs Frequency



Return Loss vs Frequency



Psat vs Frequency

