

TURPA-050075353015

50-75GHz, Gain:35 dB, Psat:30 dBm

Feature:

- Frequency Range: 50-75 GHz
- Gain:35 dB Type
- Output Power Psat:30 dBm Type
- Good Power and Gain Flatness

电气特性 Electrical Specifications:

| 参数Parameter | Min | Typ | Max | 单位Units |
|---------------------------|-------|------|-----|---------|
| 频率范围 Frequency range | 50-75 | | | GHz |
| 小信号增益 Small Signal Gain | | 35 | | dB |
| 增益平坦度 Gain Flatness | | ±2.5 | | dB |
| 功率增益 Power Gain | | 28 | | dB |
| 饱和输出功率 Output Psat | 29 | 30 | | dBm |
| 输入回波损耗 Input Return Loss | | -10 | | dB |
| 输出回波损耗 Output Return Loss | | -8 | | dB |
| 直流电压 DC Voltage | | 16 | | V DC |
| 直流电流 DC Supply Current | | 0.7 | | A |

机械特性 Mechanical Specifications:

| 参数 Parameter | 指标 Value | 单位 Units |
|---------------------------------|----------------|----------|
| 输入/输出接口 Input /Output Connector | WR-15/UG-385/U | |
| 直流偏置 DC Bias | Solder Pin | |
| 尺寸 Size | 50*50*20 | mm |
| 重量 Weight | / | g |

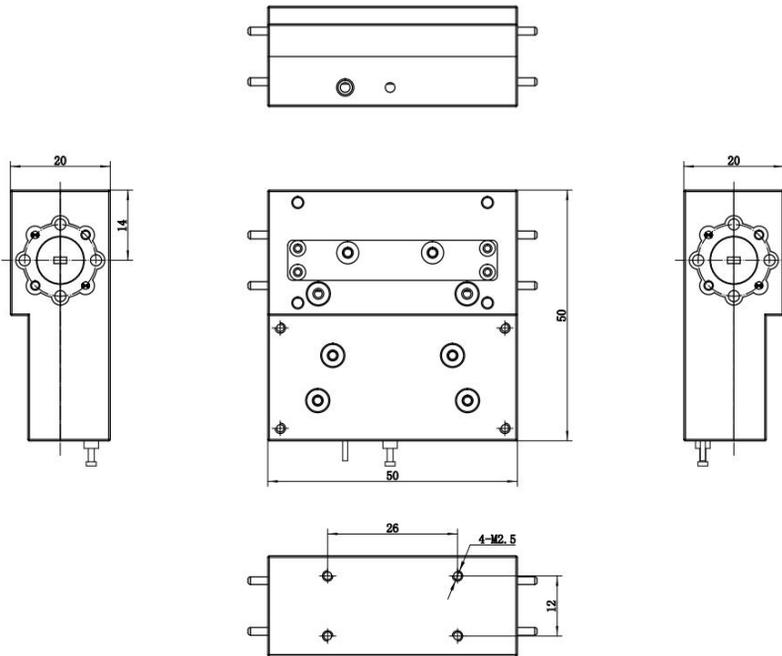
绝对最大值 Absolute Maximum Ratings:

| 参数 Parameter | 指标 Value |
|----------------------------|----------|
| 供电偏置电压 Supply Bias Voltage | +20 V |
| 输入功率 RF Input Power | 15 dBm |



Available 220V System Benchtop Amplifier

Unit: mm



温度环境 Environmental Conditions:

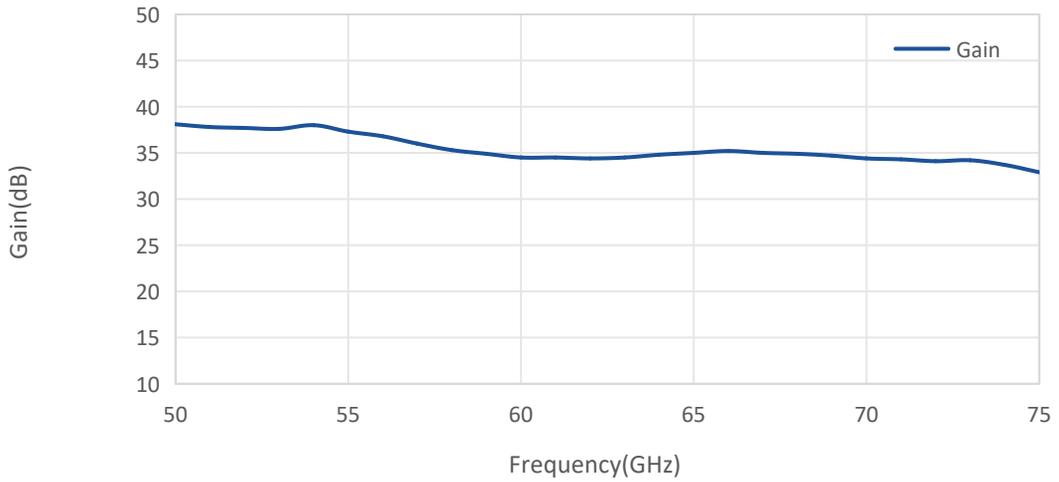
| 参数 Parameter | Min | Typ | Max | 单位 Units |
|------------------------------------|---|-----|------|----------|
| 操作温度 Operating Temperature | -10 | | +65 | °C |
| 存储温度 Non-operating Temperature | -55 | | +125 | °C |
| 相对湿度 Relative humidity | | 95 | | % |
| 海拔 Altitude | 50,000 | | | feet |
| 震动 Shock / Vibration(MIL-STD-810F) | 25g rms (15 degree 2KHz) endurance, 1 hour per axis | | | |
| 冲击 Shock(non operating) | 20G for 11msc half sin wave,3 axis both directions | | | |

订货信息 Ordering Information:

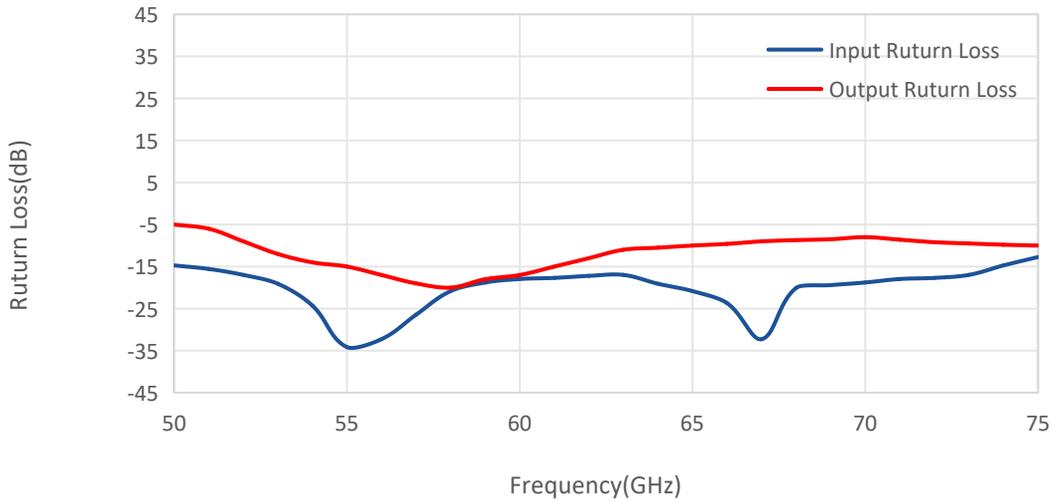
| 标准型号 Part Number | 描述 Description | 版本号 Revision |
|------------------|----------------|--------------|
|------------------|----------------|--------------|

典型曲线 Typical Performance Data:

Gain vs Frequency



Return Loss vs Frequency



Psat vs Frequency

