



MTPA60218347472

6-18GHz 50W

MODEL DESCRIPTION

MTPA60218347472 is a complete solid state microwave power amplifier module that features high efficiency, high output power and wide dynamic range. It is based on advanced microwave device technology and provides long-term reliability and high ruggedness.

FEATURE

6-18GHz ultra-broadband

Psat: 50W

High efficiency, High reliability and ruggedness

Good linearity, Low distortion

Applications: Test& Measurement, Broadcasting, Communication etc.

GENERAL SPECIFICATION

| Parameter | Unit | Min. | Typical | Max. |
|---------------------|-------|------|---------|------|
| Frequency | GHz | 6 | - | 18 |
| Power Gain (@Psat) | dB | - | 47 | - |
| Gain Adjustment | dB | - | 20 | - |
| Gain Flatness | +/-dB | - | 5 | - |
| Psat | dBm | - | 47 | - |
| INPUT Return Loss | dB | - | - | -10 |
| OUTPUT Return Loss | dB | - | -10 | - |
| Maximum input power | dBm | - | - | 0 |
| Harmonic | dBc | - | -15 | - |
| Spur | dBc | - | -60 | - |

ENVIRONMENTAL SPECIFICATION

| Parameter | Unit | Min | Typical | Max |
|---------------------------|-------|-----|---------|-----|
| Voltage | V(AC) | 110 | 220 | 240 |
| Current | A | - | 2 | - |
| Operating Temperatue | °C | 0 | - | 50 |
| Non-Operating Temperature | °C | -20 | - | 65 |

MECHANICAL SPECIFICATIONS

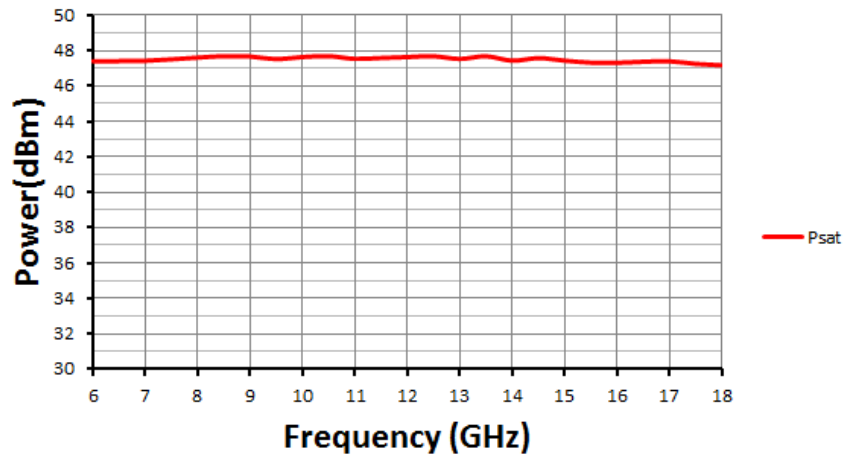
| Parameter | Unit | Min | Typical | Max |
|------------------|------|-------|-------------|-----|
| Dimensions LxWxH | mm | - | 483x480x132 | - |
| Weight | Kg | - | 20 | - |
| RF Input&Output | | SMA-F | | |



OPTIONS

| | |
|-------|--|
| PIND | Power Indication (built-in coupler) |
| USUP | 110-240V AC/50~60Hz |
| LCDS | LCD Display (Temperature, Current, Power, Fault etc) |
| GADJ | 20dB Gain Adjustment |
| LAN | Remote control or monitoring through LAN |
| RS232 | Remote control or monitoring through RS232 |
| RS485 | Remote control or monitoring through RS485 |

TEST GRAPH



MODEL APPEARANCE (mm)

