

Preliminary

MTPA6021835502

Broadband Power Amplifier

6-18GHz 100W



MODEL DESCRIPTION

MTPA6021835502 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: 100W

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 | 55 | - | - |
| Gain Adjustment | dB | - | 20 | - |
| Gain Flatness | +/-dB | - | 5 | - |
| Psat | dBm | - | 50 | - |
| INPUT Return Loss | dB | - | - | -10 |
| OUTPUT Return Loss | dB | - | -10 | - |
| Maximum input power | dBm | - | - | 0 |
| Harmonic | dBc | - | -15 | - |
| Spur | dBc | - | -60 | - |

ENVIRONMENTAL SPECIFICATIONS:

| Parameter | Unit | Min | Typical | Max |
|---------------------------|-------|-----|---------|-----|
| Voltage | V(AC) | 110 | 220 | 240 |
| Current | A | - | 4 | - |
| Operating Temperature | °C | 0 | - | 50 |
| Non-Operating Temperature | °C | -20 | - | 65 |

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MECHANICAL SPECIFICATIONS:

| Parameter | Unit | Min | Typical | Max |
|------------------|------|-----|------------------|-----|
| Dimensions WxHxD | inch | | 20.31x19.02x7.56 | |
| Weight | Kg | - | 25 | - |
| RF Input&Output | | | N-F | |

OPTIONS: (Exclusive from Quote)

| | | |
|-------|--|--------|
| PIND | Power Indication (built-in coupler) | \$4000 |
| USUP | 110-240V AC/50~60Hz | FREE |
| GADJ | 20dB Gain Adjustment | \$500 |
| LAN | Remote control or monitoring through LAN | \$200 |
| RS485 | Remote control or monitoring through RS485 | \$200 |
| TRIG | RF Power Trigger | |

MODEL APPEARANCE

