



**MTPA20218340401**

**2-18GHz 10W**

**MODEL DESCRIPTION**

MTPA20218340401 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**

2GHz-18GHz ultra-broadband model

Psat: 10W

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   | 2    | -       | 18   |
| Power Gain(@Psat)                | dB    | -    | 40      | -    |
| Gain Flatness                    | +/-dB | -    | 5       | -    |
| Psat                             | dBm   | -    | 40      | -    |
| INPUT Return Loss                | dB    | -    | -10     | -    |
| OUTPUT Return Loss               | dB    | -    | -10     | -    |
| Maximum input power              | dBm   | -    | -       | 5    |
| Harmonic(@specific output power) | dBc   | -    | -15     | -    |
| Spur                             | dBc   | -    | -60     | -    |

**ENVIRONMENTAL SPECIFICATIONS**

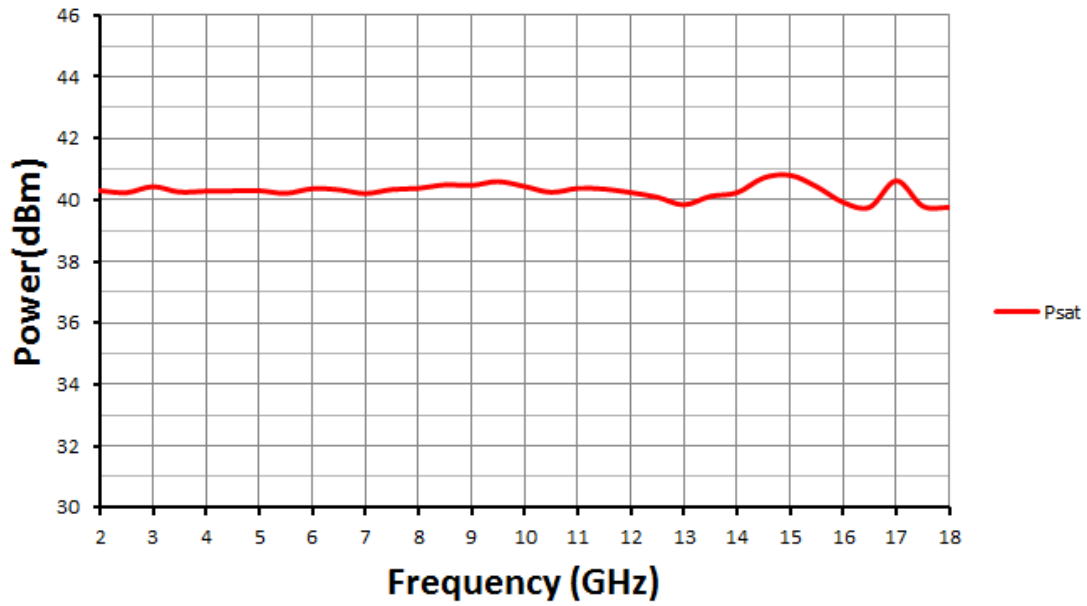
| Parameter                 | Unit  | Min | Typical | Max |
|---------------------------|-------|-----|---------|-----|
| Voltage                   | V(DC) | 27  | 28      | 29  |
| Current                   | A     | -   | 3       | -   |
| Operating Temperature     | °C    | 0   | -       | 50  |
| Non-Operating Temperature | °C    | -20 | -       | 65  |

**MECHANICAL SPECIFICATION**

| Parameter        | Unit | Min   | Typical     | Max |
|------------------|------|-------|-------------|-----|
| Dimensions LxWxH | mm   | -     | 160 x80 x30 | -   |
| Weight           | Kg   | -     | 1           | -   |
| RF Input&Output  |      | SMA-F |             |     |



TEST GRAPH



MODEL APPEARANCE (mm)

