

TMPA-18004000-1723 18-40 GHz, 17dB, Psat 23dBm, 2.92mm female

FEATURES

- ❖ Small Signal Gain 17dB Typical
- ❖ Saturated Output Power +23dBm Typical
- ❖ P1dB Output Power +22dBm Typical
- ❖ Supply Voltage +15V

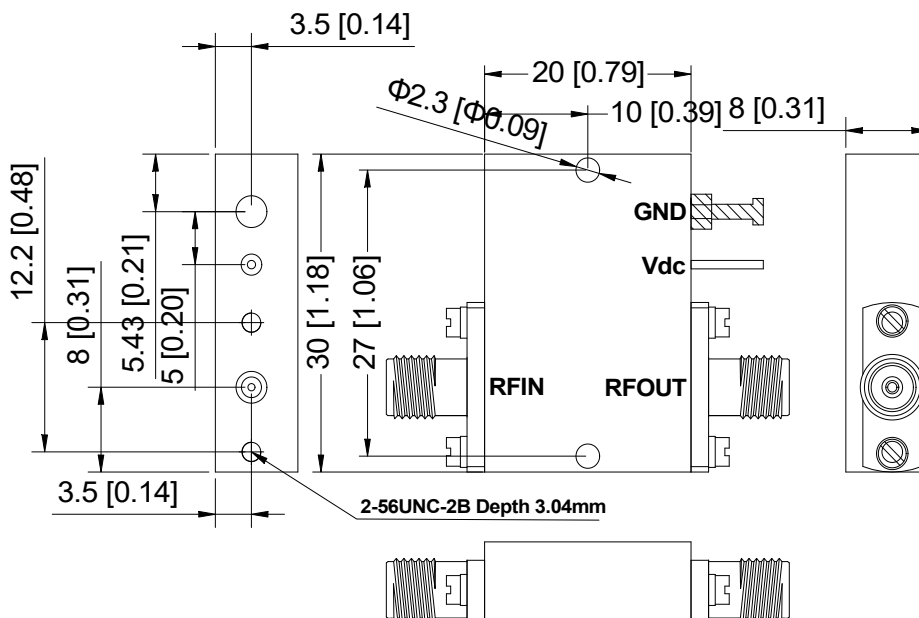
APPLICATIONS

- ❖ Wireless Infrastructure
- ❖ 5G Communication
- ❖ Test and Measurement Instrument
- ❖ Radar and Receivers Systems

SPECIFICATIONS

| Parameters | Min. | Typ. | Max. | Units |
|-------------------------------------|---------------|------|------|-------|
| Frequency Range | 18 | - | 40 | GHz |
| Impedance | - | 50 | - | Ohms |
| Gain | - | 17 | - | dB |
| Gain Flatness | - | ±1.0 | - | dB |
| Input VSWR | - | 2.0 | - | :1 |
| Output VSWR | - | 2.0 | - | :1 |
| Output 1dB Compression Point(P1dB) | - | 22 | - | dBm |
| Saturated Output Power(Psat) | - | 23 | - | dBm |
| Spurious | - | -60 | - | dBc |
| RF Input Power(No damage) | - | - | 11 | dBm |
| Supply Current(Vcc=+15V)(Pout=0.3W) | - | 400 | 600 | mA |
| Operating Temperature | -45 | - | +85 | °C |
| Storage Temperature | -55 | - | +125 | °C |
| Input/Output Connectors | 2.92mm-Female | | | |
| Weight | 100g | | | |
| Dimension | 20×30×8mm | | | |
| Material | Aluminum | | | |

Outline Drawing [mm[inch]]



Absolute Maximum Ratings

| | |
|-------------------|--------|
| Operating Voltage | +15V |
| RF Input Power | +11dBm |

Note: *Heatsink required when operation.*