

TMPA-01001800-2028 1-18 GHz, 22dB, Psat 28dBm, SMA female

FEATURES

- ❖ Gain 25dB Typical
- ❖ Saturated Output Power +28dBm Minimum
- ❖ P1dB Output Power +27dBm Typical
- ❖ Supply Voltage +12V

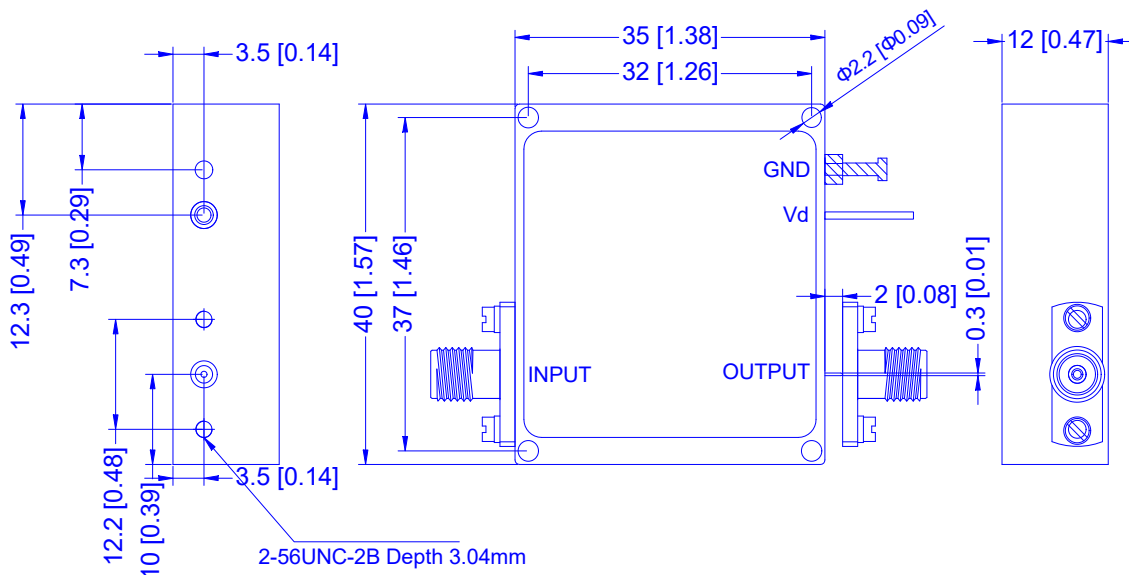
APPLICATIONS

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

SPECIFICATIONS

| Parameters | Min. | Typ. | Max. | Units |
|------------------------------------|--------------------|------|------|-------|
| Frequency Range | 1 | - | 18 | GHz |
| Impedance | - | 50 | - | Ohms |
| Gain | 20 | 25 | - | dB |
| Gain Flatness | - | ±3.0 | - | dB |
| Input VSWR | - | 1.5 | 2.0 | :1 |
| Output VSWR | - | 1.8 | 2.0 | :1 |
| Output 1dB Compression Point(P1dB) | 26 | 27 | - | dBm |
| Saturated Output Power(Psat) | 28 | - | - | dBm |
| Noise Figure | - | 5 | - | dB |
| Second Harmonic | - | -15 | -13 | dBc |
| Spurious | - | -60 | - | dBc |
| RF Input Power(No damage) | - | - | 10 | dBm |
| Supply Voltage | | +12 | +15 | V |
| Supply Current(Vcc=+12V) | - | 500 | - | mA |
| Operating Temperature | -45 | - | +85 | °C |
| Storage Temperature | -55 | - | +125 | °C |
| Input/Output Connectors | SMA-Female | | | |
| Weight | 50g | | | |
| Surface Finishing | Nickel/Gold Plated | | | |
| Material | Aluminum | | | |

Outline Drawing [mm[inch]]



Tolerances ±0.25[0.01]