

TMPA-08001800-1333 8-18 GHz, 13dB, Psat 34dBm, SMA female

FEATURES

- ❖ Gain 13dB Minimum
- ❖ Saturated Output Power +34dBm Typical
- ❖ P1dB Output Power +33dBm Minimum
- ❖ Supply Voltage +12V

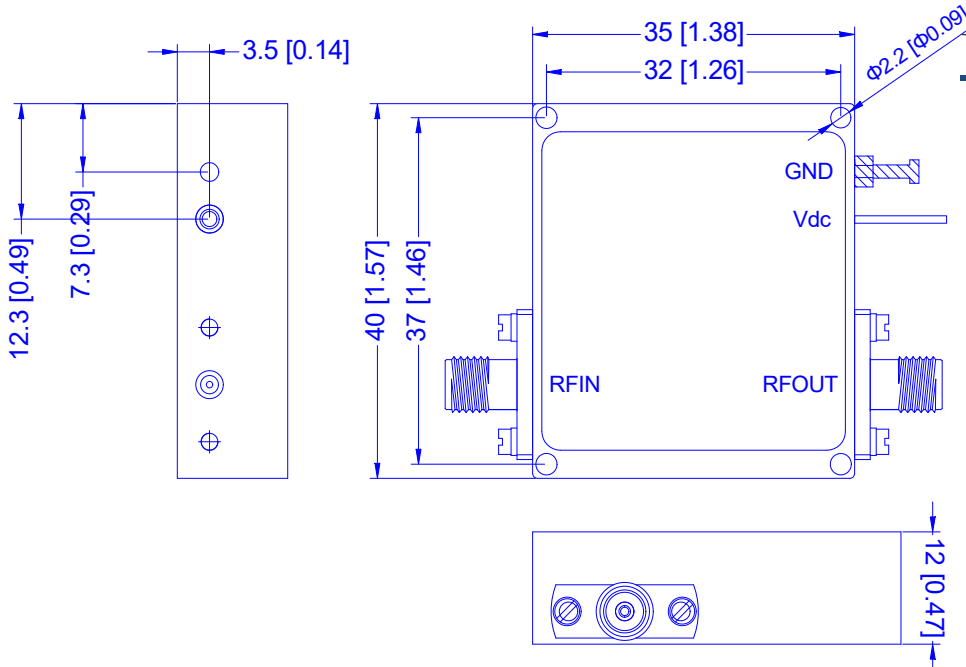
APPLICATIONS

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

SPECIFICATIONS

| Parameters | Min. | Typ. | Max. | Units |
|------------------------------------|------------|------|------|-------|
| Frequency Range | 8 | - | 18 | GHz |
| Impedance | - | 50 | - | Ohms |
| Small Signal Gain | 13 | - | - | dB |
| Gain Flatness | - | ±1.0 | ±1.1 | dB |
| Input VSWR | - | 1.8 | 2.5 | :1 |
| Output VSWR | - | 1.8 | 2.5 | :1 |
| Output 1dB Compression Point(P1dB) | 33 | - | - | dBm |
| Saturated Output Power(Psat) | - | 34 | - | dBm |
| Spurious | - | -60 | - | dBc |
| RF Input Power(No damage) | - | - | +25 | dBm |
| Supply Current(Vcc=+12V)@(Pout=2W) | - | 2 | - | A |
| Operating Temperature | -45 | - | +85 | °C |
| Storage Temperature | -55 | - | +125 | °C |
| Input/Output Connectors | SMA-Female | | | |
| Weight | 80g | | | |
| Material | Aluminum | | | |

Outline Drawing [mm[inch]]



Absolute Maximum Ratings

| | |
|-------------------|--------|
| Operating Voltage | +15V |
| RF Input Power | +25dBm |

Note: *Heatsink required when operation.*

Tolerances ±0.25[0.01]