

**TMPA-12001800-3634 12-18 GHz, 36dB, Psat 34dBm, SMA female**

**FEATURES**

- ❖ Small Signal Gain 36dB Typical
- ❖ Saturated Output Power +34dBm Typical
- ❖ P1dB Output Power +31dBm Minimum
- ❖ Supply Voltage +12V

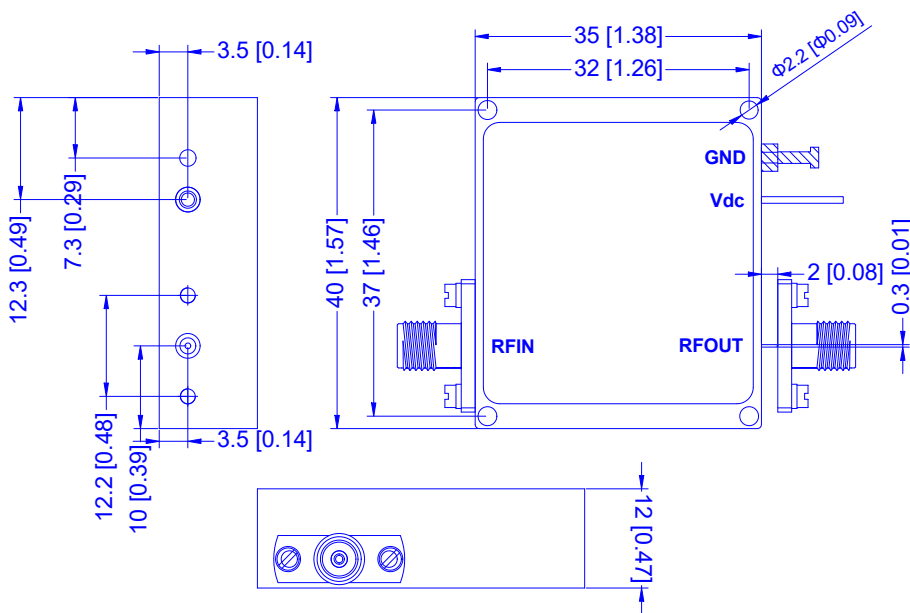
**APPLICATIONS**

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

**SPECIFICATIONS**

| Parameters                         | Min.           | Typ. | Max. | Units |
|------------------------------------|----------------|------|------|-------|
| Frequency Range                    | 12             | -    | 18   | GHz   |
| Impedance                          | -              | 50   | -    | Ohms  |
| Small Signal Gain                  | 33             | 36   | -    | dB    |
| Gain Flatness                      | -              | ±1.5 | -    | dB    |
| Input VSWR                         | -              | 1.8  | -    | :1    |
| Output VSWR                        | -              | 1.8  | -    | :1    |
| Output 1dB Compression Point(P1dB) | 31             | -    | -    | dBm   |
| Saturated Output Power(Psat)       | 33             | 34   | -    | dBm   |
| Spurious                           | -              | -60  | -    | dBc   |
| RF Input Power(No damage)          | -              | -    | +10  | dBm   |
| Supply Current(Vcc=+12V)@(Pout=2W) | -              | 1.5  | 2    | A     |
| Operating Temperature              | -45            | -    | +85  | °C    |
| Storage Temperature                | -55            | -    | +125 | °C    |
| Input/Output Connectors            | SMA-Female     |      |      |       |
| Dimension                          | 35mm×40mm×12mm |      |      |       |
| Material                           | Aluminum       |      |      |       |

**Outline Drawing [mm[inch]]**



**Absolute Maximum Ratings**

|                   |        |
|-------------------|--------|
| Operating Voltage | +13V   |
| RF Input Power    | +10dBm |

Note: *Heatsink required when operation.*