

**TMPA-18004000-3528 18-40 GHz, 35dB, Psat 28dBm, 2.92mm female**

**FEATURES**

- ❖ Small Signal Gain 35dB Typical
- ❖ Saturated Output Power +28dBm Typical
- ❖ P1dB Output Power +27dBm Typical
- ❖ Supply Voltage +12V

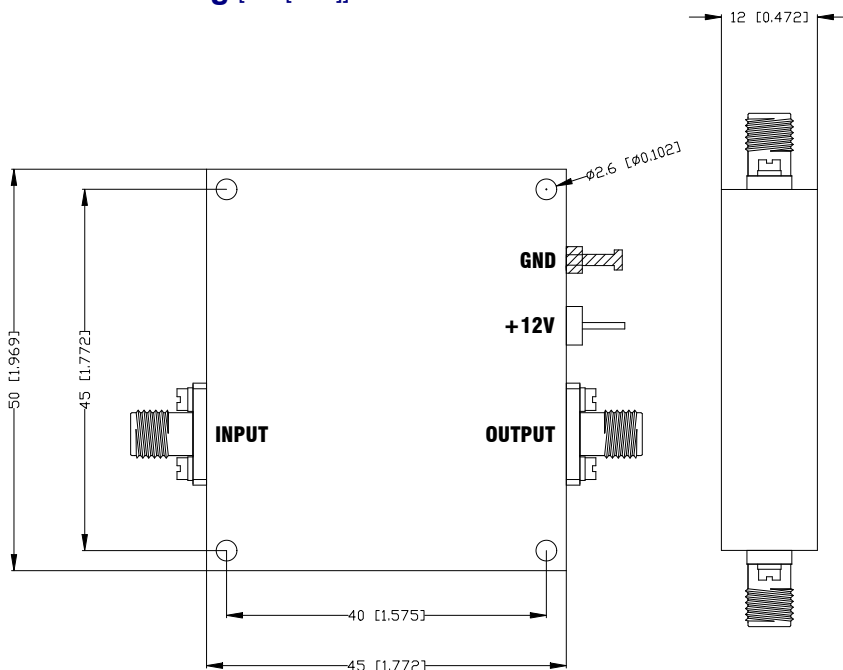
**APPLICATIONS**

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

**SPECIFICATIONS**

Parameters	Min.	Typ.	Max.	Units
Frequency Range	18	-	40	GHz
Impedance	-	50	-	Ohms
Small Signal Gain	30	35	-	dB
Gain Flatness	-	±2.5	-	dB
Input VSWR	-	2.0	-	:1
Output VSWR	-	2.0	-	:1
Output 1dB Compression Point(P1dB)	-	27	-	dBm
Saturated Output Power(Psat)	27	28	-	dBm
Spurious	-	-60	-	dBc
Noise Figure	-	6	-	dB
RF Input Power(No damage)	-	-	0	dBm
Supply Current(Vcc=+12V)(Pout=0.5W)	-	900	1200	mA
Operating Temperature	-45	-	+85	°C
Storage Temperature	-55	-	+125	°C
Input/Output Connectors	2.92mm-Female			
Weight	200g			
Dimension	50×45×12mm			
Material	Aluminum			

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



**Absolute Maximum Ratings**

Operating Voltage	+15V
RF Input Power	0dBm

Note: *Heatsink required when operation.*

Tolerances ±0.25[0.01]