

TMPA-18004000-3525 18-40 GHz, 35dB, Psat 25dBm, 2.92mm female

FEATURES

- ❖ Small Signal Gain 35dB Typical
- ❖ Saturated Output Power +25dBm Typical
- ❖ P1dB Output Power +23dBm Minimum
- ❖ Supply Voltage +12V

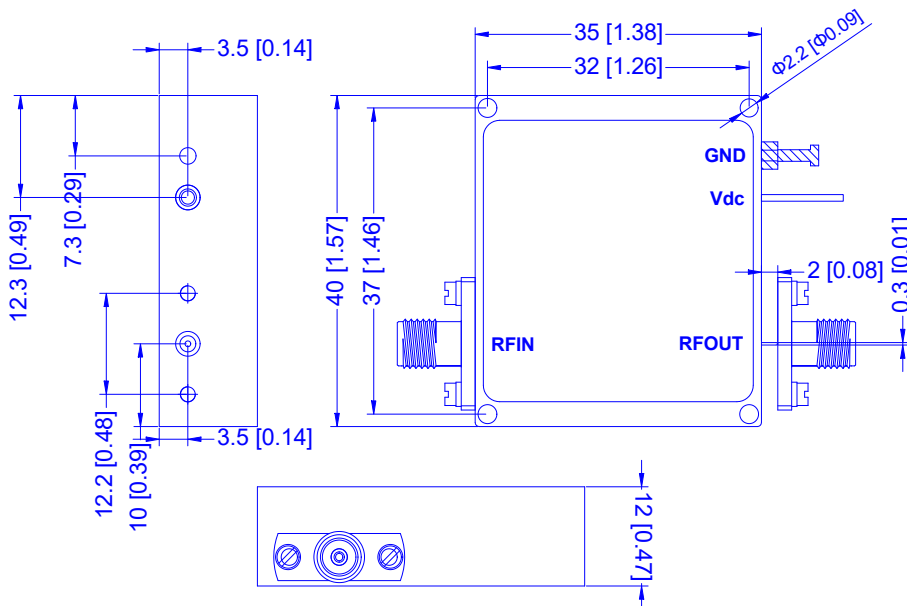
APPLICATIONS

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

SPECIFICATIONS

Parameters	Min.	Typ.	Max.	Units
Frequency Range	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)	23	24	-	dBm
Saturated Output Power(Psat)	-	25	-	dBm
Noise Figure	-	5.5	-	dB
Spurious	-	-60	-	dBc
RF Input Power(No damage)	-	-	-2	dBm
Supply Current(Vcc=+12V)@(Pout=1.5W)	-	500	700	mA
Operating Temperature	-45	-	+85	°C
Storage Temperature	-55	-	+125	°C
Input/Output Connectors	2.92mm-Female			
Weight	200g			
Material	Aluminum			

Outline Drawing [mm[inch]]



Absolute Maximum Ratings

Operating Voltage	+15V
RF Input Power	-2dBm

Note: *Heatsink required when operation.*

Tolerances ±0.25[0.01]