

TMPA-00301800-3731 0.3-18 GHz, 37dB, Psat 31dBm, SMA female

FEATURES

- ❖ Gain 37dB Typical
- ❖ Saturated Output Power +31dBm Typical
- ❖ P1dB Output Power +31dBm Minimum
- ❖ Supply Voltage +12V

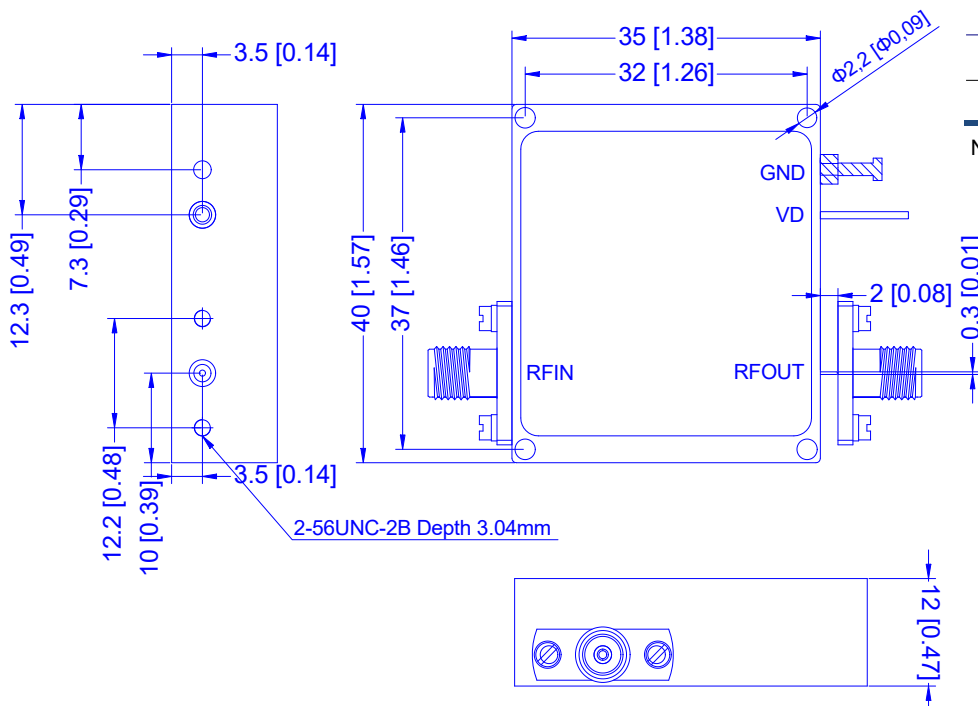
APPLICATIONS

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

SPECIFICATIONS

Parameters	Min.	Typ.	Max.	Units
Frequency Range	0.3	-	18	GHz
Impedance	-	50	-	Ohms
Gain	-	37	-	dB
Gain Flatness	-	±2.5	-	dB
Input VSWR	-	2.0	-	:1
Output VSWR	-	2.0	-	:1
Noise Figure	-	5.0	-	dB
Output 1dB Compression Point(P1dB)	30	-	-	dBm
Saturated Output Power(Psat)	-	31	-	dBm
Second Harmonic	-	-15	-13	dBc
Spurious	-	-60	-	dBc
RF Input Power(No damage)	-	-	+5	dBm
Supply Current(Vcc=+12V)@(P1dB)	-	800	900	mA
Operating Temperature	-45	-	+85	°C
Storage Temperature	-55	-	+125	°C
Input/Output Connectors	SMA-Female			
Weight	50g			
Material	Aluminum			

Outline Drawing [mm[inch]]



Absolute Maximum Ratings

Operating Voltage	+15V
RF Input Power	+5dBm

Note: *Heatsink required when operation.*

Tolerances ±0.25[0.01]