

TMPA-07001200-3838 7-12 GHz, 38dB, Psat 38dBm, SMA female

FEATURES

- ❖ Gain 38dB Typical
- ❖ Saturated Output Power +38dBm Typical
- ❖ P1dB Output Power +36dBm Minimum
- ❖ Supply Voltage +28V

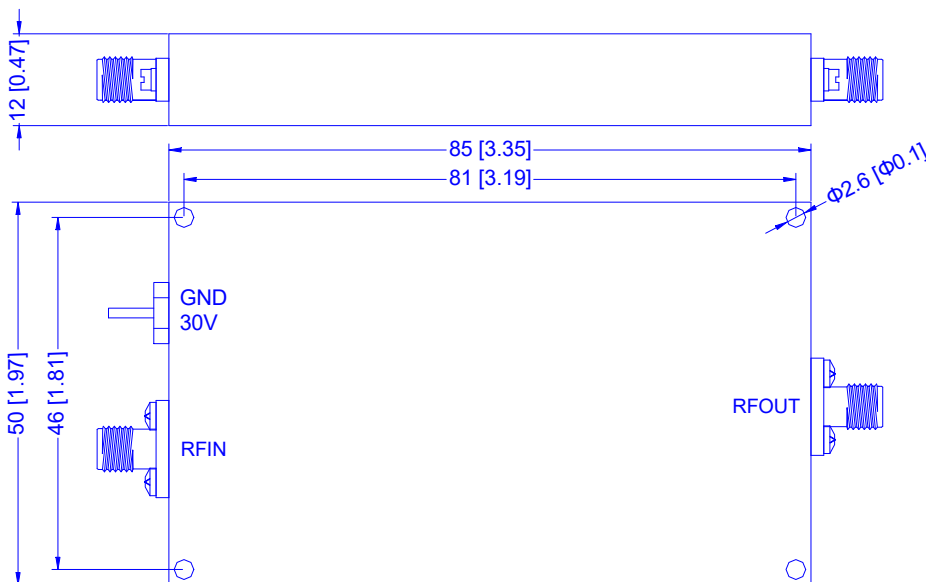
APPLICATIONS

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

SPECIFICATIONS

Parameters	Min.	Typ.	Max.	Units
Frequency Range	7	-	12	GHz
Impedance	-	50	-	Ohms
Small Signal Gain	35	38	-	dB
Gain Flatness	-	±1.5	±2.5	dB
Input VSWR	-	1.5	2.0	:1
Output VSWR	-	1.5	2.0	:1
Output 1dB Compression Point(P1dB)	36	37	-	dBm
Saturated Output Power(Psat)	-	38	-	dBm
Harmonic Rejection	-	15	-	dB
Spurious	-	-60	-	dBc
Noise Figure	-	6.0	-	dB
RF Input Power(No damage)	-	-	+10	dBm
Supply Current(Vcc=+28V)@(Pout=5W)	-	2	-	A
Operating Temperature	-35	-	+70	°C
Storage Temperature	-55	-	+125	°C
Input/Output Connectors	SMA-Female			
Weight	300g			
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]