

TPMA-10001100-2040 10-11 GHz, 20dB, Psat 40dBm, SMA female

FEATURES

- ❖ Gain 24dB Typical
- ❖ Saturated Output Power +40dBm Min
- ❖ P1dB Output Power +37dBm Typical
- ❖ Supply Voltage +30V

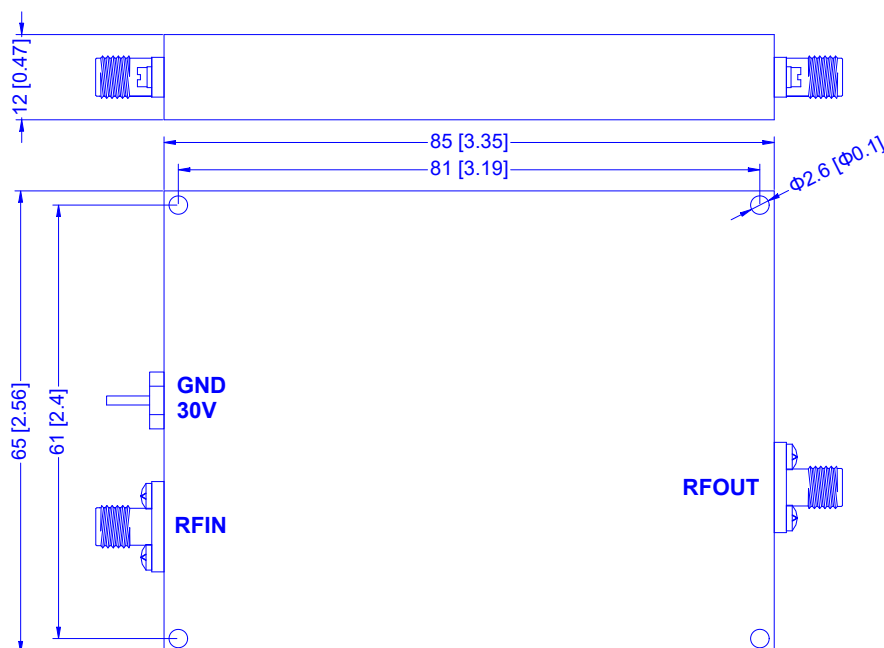
APPLICATIONS

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

SPECIFICATIONS

Parameters	Min.	Typ.	Max.	Units
Frequency Range	10	-	11	GHz
Impedance	-	50	-	Ohms
Small Signal Gain	20	24	-	dB
Gain Flatness	-	±1.0	±1.5	dB
Input VSWR	-	2.0	-	:1
Output 1dB Compression Point(P1dB)	-	37	-	dBm
Saturated Output Power(Psat)	40	-	-	dBm
Spurious	-	-60	-	dBc
RF Input Power(No damage)	-	-	+25	dBm
Supply Current(Vcc=+30V)(@Pout=10W)	-	1.5	-	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	+30V
RF Input Power	+25dBm

Note: *Heatsink required when operation.*

Tolerances ±0.25[0.01]