

TMPA-18004000-2131 18-40 GHz, 21dB, Psat 31dBm, 2.92mm female

FEATURES

- ❖ Gain 21dB Typical
- ❖ Saturated Output Power +31dBm Typical
- ❖ P1dB Output Power +28dBm Minimum
- ❖ Supply Voltage +12V

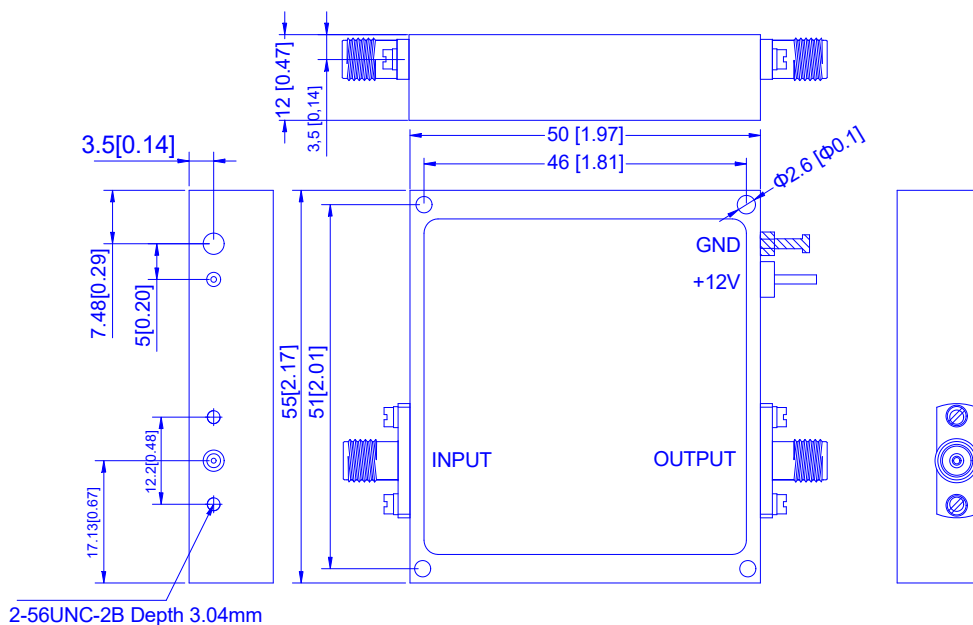
APPLICATIONS

- ❖ 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
Gain	18	21	-	dB
Gain Flatness	-	±2.5	-	dB
Gain Variation Over Temperature(-40°C~+85°C)	-	±1.0	-	dB
Input VSWR	-	2.0	-	:1
Output VSWR	-	2.0	-	:1
Output 1dB Compression Point(P1dB)	28	30	-	dBm
Saturated Output Power(Psat)	-	31	-	dBm
RF Input Power(No damage)	-	-	15	dBm
Supply Current(Vcc=+12V)	-	800	900	mA
Operating Temperature	-45	-	+85	°C
Storage Temperature	-55	-	+125	°C
Input/Output Connectors	2.92mm-Female			
Weight	50g			
Surface Finishing	Nickel/Gold Plated			
Material	Aluminum			

Outline Drawing [mm[inch]]



Absolute Maximum Ratings

Operating Voltage	+15V
RF Input Power	+15dBm

Note: *Heatsink required when operation.*