

**TMPA-17004300-2131 17-43 GHz, 21dB, Psat 31dBm, 2.92mm female**

**FEATURES**

- ❖ Gain 21dB Typical
- ❖ Saturated Output Power +31dBm Typical
- ❖ P1dB Output Power +30dBm Typical
- ❖ Supply Voltage +12V

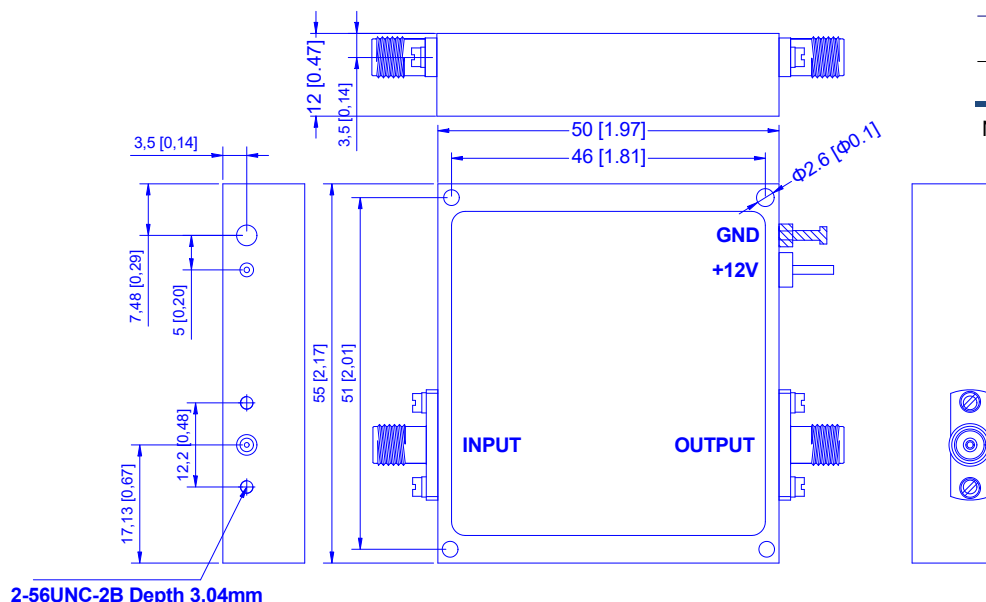
**APPLICATIONS**

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

**SPECIFICATIONS**

Parameters	Min.	Typ.	Max.	Units
Frequency Range	17	-	43	GHz
Impedance	-	50	-	Ohms
Gain	20	21	-	dB
Gain Flatness	-	±2.5	-	dB
Input VSWR	-	2.0	-	:1
Output VSWR	-	2.0	-	:1
Output 1dB Compression Point(P1dB)	-	30	-	dBm
Saturated Output Power(Psat)	28	31	-	dBm
Spurious	-	-60	-	dBc
Second Harmonic	-	-	-15	dBc
RF Input Power(No damage)	-	-	+15	dBm
Supply Current(Vcc=+12V)	-	1.0	-	A
Operating Temperature	-45	-	+85	°C
Storage Temperature	-55	-	+125	°C
Input/Output Connectors	2.92mm-Female			
Dimension	50mm×55mm×12mm			
Material	Aluminum			

**Outline Drawing** [mm[inch]]



**Absolute Maximum Ratings**

Operating Voltage	+15V
RF Input Power	+15dBm

Note: *Heatsink required when operation.*

Tolerances ±0.25[0.01]