

**TMPA-00500600-3532 0.5-6.0 GHz, Gain 35dB, Psat 32dBm, SMA-Female**

**FEATURES**

- ❖ Wide Band Operation 0.5-6.0 GHz
- ❖ Gain 35dB Minimum
- ❖ P1dB Output Power +30dBm Typical
- ❖ Supply Voltage +12V@270mA

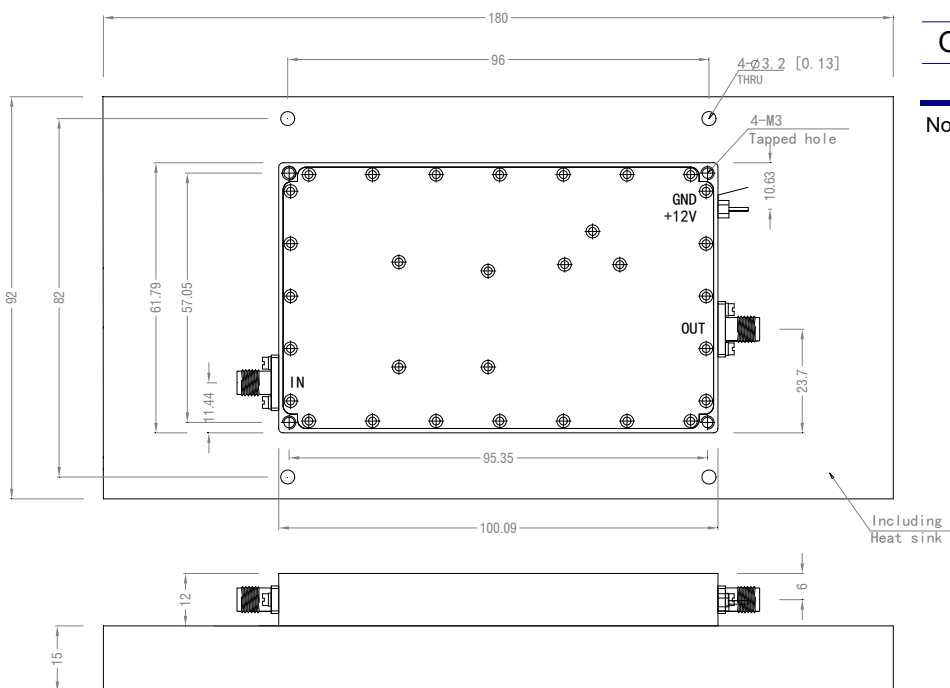
**APPLICATIONS**

- ❖ Wireless Infrastructure
- ❖ 5G Communication
- ❖ Test and Measurement Instrument

**SPECIFICATIONS**

Parameters	Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Frequency Range	0.5	-	4	4	-	6	GHz
Impedance	-	50	-	-	50	-	Ohms
Gain	35	38	-	35	36	-	dB
Gain Flatness	-	±2.0	±2.5	-	±2.5	±3.0	dB
Gain Variation Over Temperature(-40°C-+85°C)	-	±1.0		-	±1.0	-	dB
Input VSWR	-	1.8	2.2	-	1.8	2.0	:1
Output 1dB Compression Point(P1dB)	28	30	-	28	30	-	dBm
Saturated Output Power(Psat)	-	32	-	-	32	-	dBm
Output 3rd Order Intercept(OIP3)	-	36	37	-	36	38	dBm
Supply Current(Vcc=+12V)	-	270	400	-	270	400	mA
Operating Temperature	-40	-	-	-	-	+85	°C
Storage Temperature	-50	-	-	-	-	+105	°C
Input/Output Connectors	SMA-Female						
Weight	160g max						
Surface Finishing	Nickel Plated						
Material	Aluminum						

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



**Absolute Maximum Ratings@+25°C**

Operating Voltage	+12.5V
RF Input Power	+5dBm

Note: *Heatsink required when operation, sell separately.*

Tolerances ±0.1[0.004]