

TMPA-06001800-3033 6-18 GHz, Gain 30dB, Psat 33dBm, SMA-Female

FEATURES

- ❖ Wide Band Operation 6-18 GHz
- ❖ Gain 30dB Minimum
- ❖ P1dB Output Power +30dBm Typical
- ❖ Supply Voltage +12V

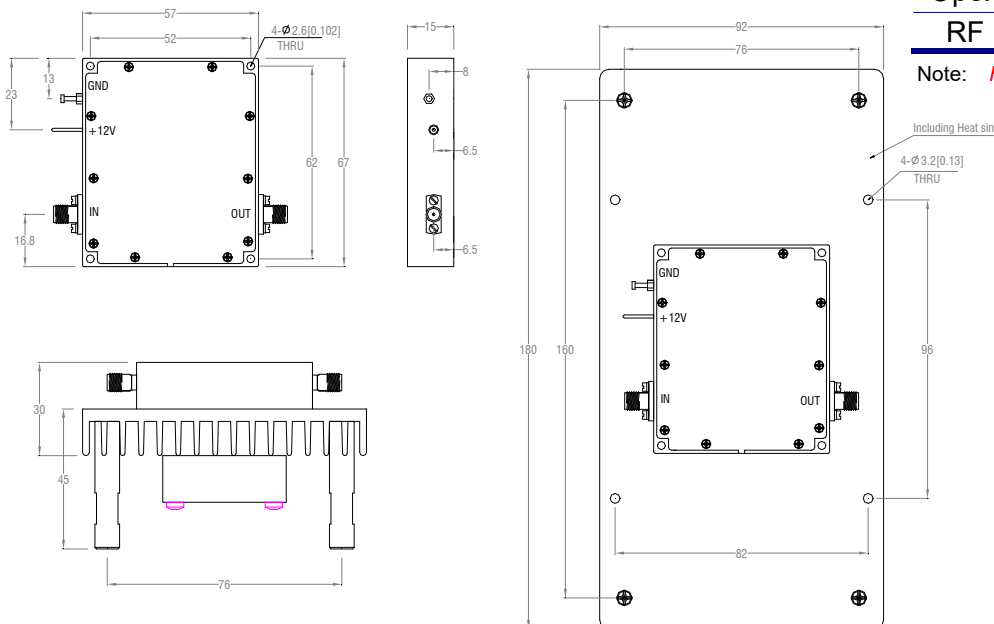
APPLICATIONS

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

SPECIFICATIONS

Parameters	Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Frequency Range	6	-	12	12	-	18	GHz
Impedance	-	50	-	-	50	-	Ohms
Gain	30	37	-	30	37	-	dB
Gain Flatness	-	±1.5	±2.0	-	±1.5	±2.5	dB
Gain Variation Over Temperature(-40°C-+85°C)	-	±1.0	-	-	±1.5	-	dB
Noise Figure	-	1.8	-	-	2.5	-	dB
Input VSWR	-	2.0	-	-	1.8	-	:1
Output VSWR	-	3.5	-	-	4.5	-	:1
Output 1dB Compression Point(P1dB)	30	32	-	29	31.5	-	dBm
Saturated Output Power(Psat)	-	33	-	-	32.5	-	dBm
Supply Current(Vcc=+12V)	-	1	2	-	1	2	A
Operating Temperature(case temperature)	-40	-	-	-	-	+85	°C
Storage Temperature	-50	-	-	-	-	+105	°C
Input/Output Connectors	SMA-Female						
Weight	350g max						
Surface Finishing	Nickel Plated						
Material	Copper						

Outline Drawing [mm[inch]]



Absolute Maximum Ratings

Operating Voltage	+15V
RF Input Power	+6dBm

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