

TMLA-02000600-4747 2-6 GHz, Gain 47dB, Psat 47dBm, SMA female

FEATURES

- ❖ Gain 55dB Typical
- ❖ Saturated Output Power +47dBm Typical
- ❖ P1dB Output Power +45dBm Typical
- ❖ Supply Voltage +28V

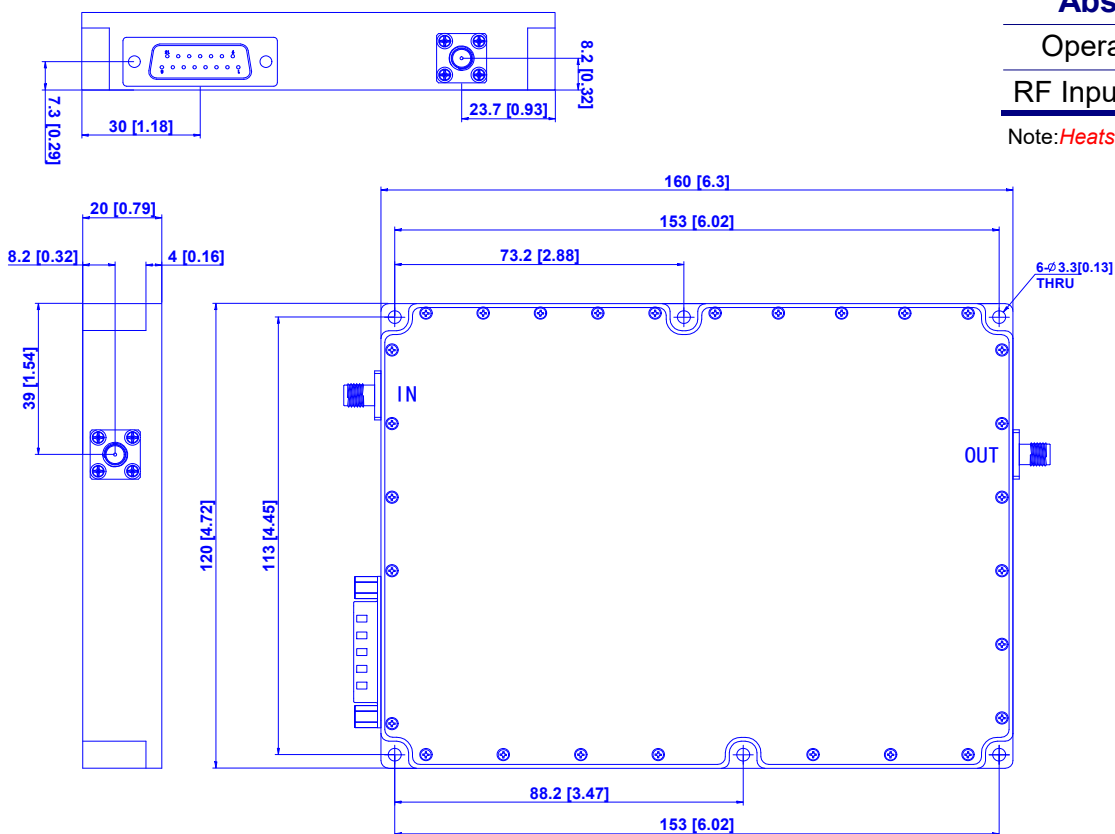
APPLICATIONS

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

SPECIFICATIONS

Parameters	Min.	Typ.	Max.	Units
Frequency Range	2	-	6	GHz
Impedance	-	50	-	Ohms
Gain	47	55	-	dB
Gain Flatness	-	±2.5	-	dB
Gain Variation Over Temperature(-40°C~+60°C)	-	±2.0	-	dB
Input VSWR	-	1.6	2.0	:1
Output 1dB Compression Point(P1dB)	-	45	-	dBm
Saturated Output Power(Psat)	-	47	-	dBm
Isolation S12	-	-55	-	dB
Supply Current(Vcc=+28V)	-	6	11	A
Operating Temperature	-40°C~+60°C			
Storage Temperature	-50°C~+105°C			
Input/Output Connectors	SMA female			
Weight	700g max			
Surface Finishing	Nickel Plated			
Material	Aluminum			

Outline Drawing [mm[inch]]



Absolute Maximum Ratings

Operating Voltage	+28.5V
RF Input Power(+28V)	+5dBm

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

Pin No.	D-Sub15 Male
1	Reset
2	PA Enable/Disable
3	Over Temperature
4	RF Input Over Drive
5	Over VSWR
6,12,13	GND
7,8,14,15	+28V
9	Over Current
10	N/A
11	Temperature Signal

Tolerances ±0.1[0.004]