

TMPA-00020300-4743 0.02-3 GHz, Gain 47dB, Psat 43dBm, SMA female

FEATURES

- ❖ Gain 47dB Typical
- ❖ Saturated Output Power +43dBm Typical
- ❖ Supply Voltage +48V
- ❖ 50 Ohm Matched Input/Output

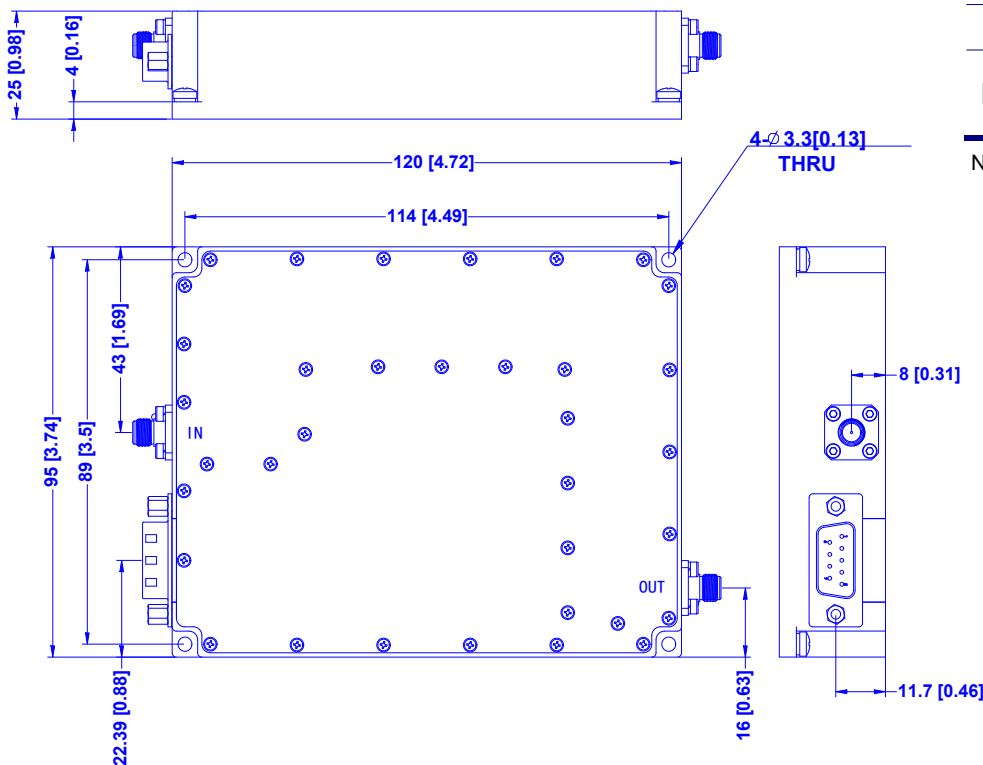
APPLICATIONS

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

SPECIFICATIONS

Parameters	Min.	Typ.	Max.	Units
Frequency Range	0.02	-	3	GHz
Impedance	-	50	-	Ohms
Gain	40	47	-	dB
Gain Flatness	-	±3.0	-	dB
Gain Variation Over Temperature(-40°C~+70°C)	-	±3.0	-	dB
Input VSWR	-	1.6	-	:1
Saturated Output Power(Psat)	-	43	-	dBm
RF On/Off Speed(IDQ on)	-	2	-	mS
Isolation S12	-	-55	-	dB
Supply Current(Vcc=+48V)	-	0.6	2.5	A
Operating Temperature	-40°C~+70°C			
Storage Temperature	-50°C~+105°C			
Input/Output Connectors	SMA female			
Weight	550g max			
Surface Finishing	Nickel Plated			
Material	Aluminum			

Outline Drawing [mm[inch]]



Tolerances ±0.1[0.004]

Absolute Maximum Ratings

Operating Voltage	+50V
RF Input Power(RFin)	Psat-Large Signal Gain

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

Pin No.	1 2 3 4 5 6 7 8 9	D-SUB9 Male
1	Reset	
2	Drain_Off	
3	Gate_Off	
4,5	+48V	
6	Over Current	
7	Over RFin	
8	Temperature Signal	
9	GND	