

TMLA-08001200-5015-14 8-12 GHz, 50dB, P1dB 15dBm, N.F. 1.4dB

FEATURES

- ❖ Wide Band Operation 8-12 GHz
- ❖ Small Signal Gain 55dB Typical
- ❖ P1dB Output Power +17dBm Typical
- ❖ Supply Voltage +15V

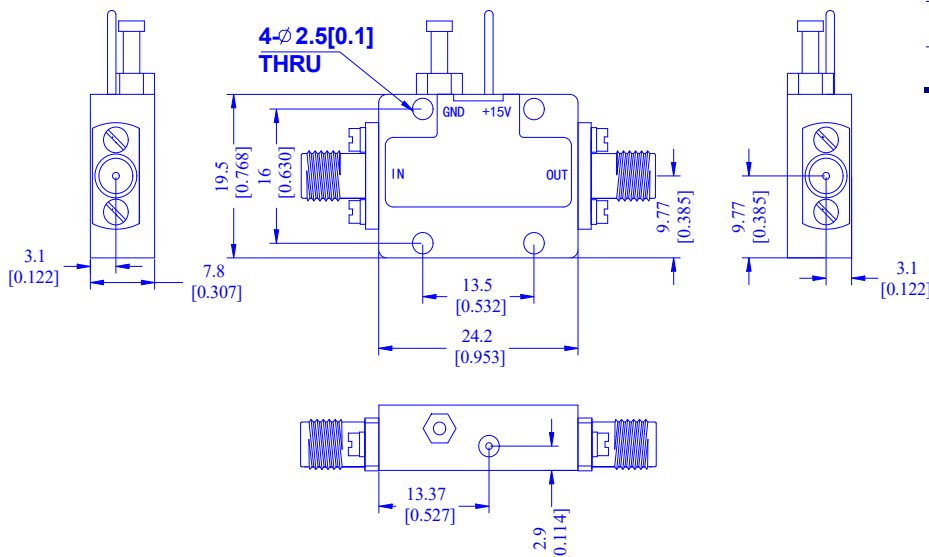
APPLICATIONS

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

SPECIFICATIONS

Parameters	Min.	Typ.	Max.	Units
Frequency Range	8	-	12	GHz
Impedance	-	50	-	Ohms
Gain	50	55	-	dB
Gain Flatness	-	±1.0	±2.0	dB
Gain Variation Over Temperature(-40°C~+85°C)	-	±1.0	-	dB
Noise Figure	-	1.2	1.4	dB
Input VSWR	-	1.5	2.0	:1
Output VSWR	-	1.6	2.0	:1
Output 1dB Compression Point(P1dB)	15	17	-	dBm
Saturated Output Power(Psat)	-	19	-	dBm
Output 3rd Order Intercept(OIP3)	-	28	-	dBm
Supply Current(Vcc=+15V)	-	200	250	mA
Operating Temperature	-40°C~+85°C			
Storage Temperature	-50°C~+105°C			
Input/Output Connectors	SMA female			
Weight	15g max			
Surface Finishing	Gold Plated			
Material	Aluminum			

Outline Drawing [mm[inch]]



Absolute Maximum Ratings

Operating Voltage	+16V
RF Input Power	-15dBm

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

Tolerances ±0.1[0.004]