

TMLA-04000800-3815-12 4-8 GHz, 38dB, P1dB 15.5dBm, N.F. 1.2dB

FEATURES

- ❖ Wide Band Operation 4-8 GHz
- ❖ Small Signal Gain 38dB Typical
- ❖ P1dB Output Power +15.5dBm Typical
- ❖ Supply Voltage +12V

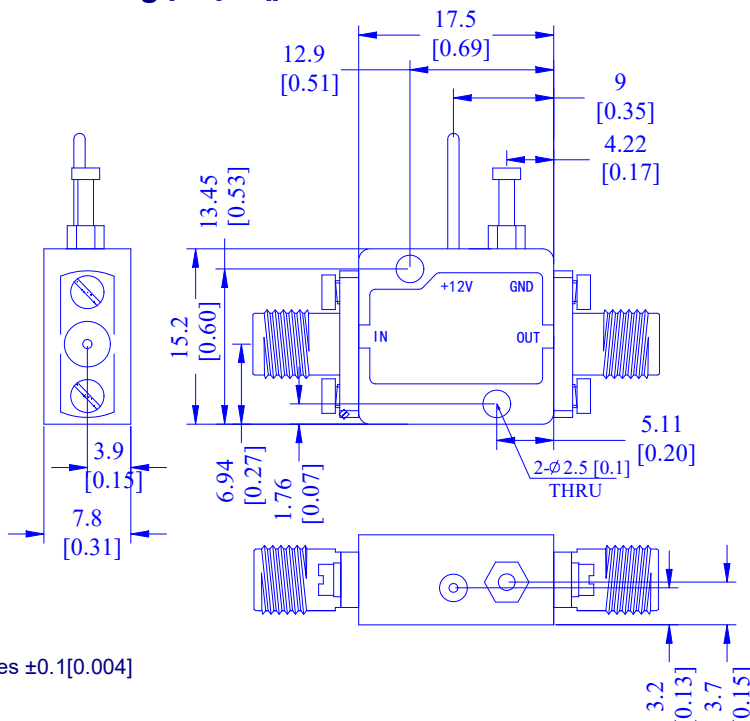
APPLICATIONS

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

SPECIFICATIONS

Parameters	Min.	Typ.	Max.	Units
Frequency Range	4	-	8	GHz
Impedance	-	50	-	Ohms
Gain	35	38	-	dB
Gain Flatness	-	±0.75	±1.5	dB
Gain Variation Over Temperature(-40°C~+85°C)	-	±1.0	-	dB
Noise Figure	-	0.8	1.2	dB
Input VSWR	-	1.8	2.0	:1
Output VSWR	-	1.7	2.0	:1
Output 1dB Compression Point(P1dB)	14	15.5	-	dBm
Saturated Output Power(Psat)	-	16.5	-	dBm
Output 3rd Order Intercept(OIP3)	-	23	-	dBm
Supply Current(Vcc=+12V)	-	100	150	mA
Operating Temperature	-40°C~+85°C			
Storage Temperature	-50°C~+105°C			
Input/Output Connectors	SMA female			
Weight	10g max			
Surface Finishing	Gold Plated			
Material	Aluminum			

Outline Drawing [mm[inch]]



Tolerances ±0.1[0.004]

Absolute Maximum Ratings

Operating Voltage	+15V
RF Input Power	-10dBm

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