

TMLA-17002700-2609-18 17-27 GHz, 26dB, P1dB 9dBm, N.F. 1.8dB

FEATURES

- ❖ Wide Band Operation 17-27 GHz
- ❖ Small Signal Gain 26dB Typical
- ❖ P1dB Output Power +9dBm Typical
- ❖ Supply Voltage +3Vdc

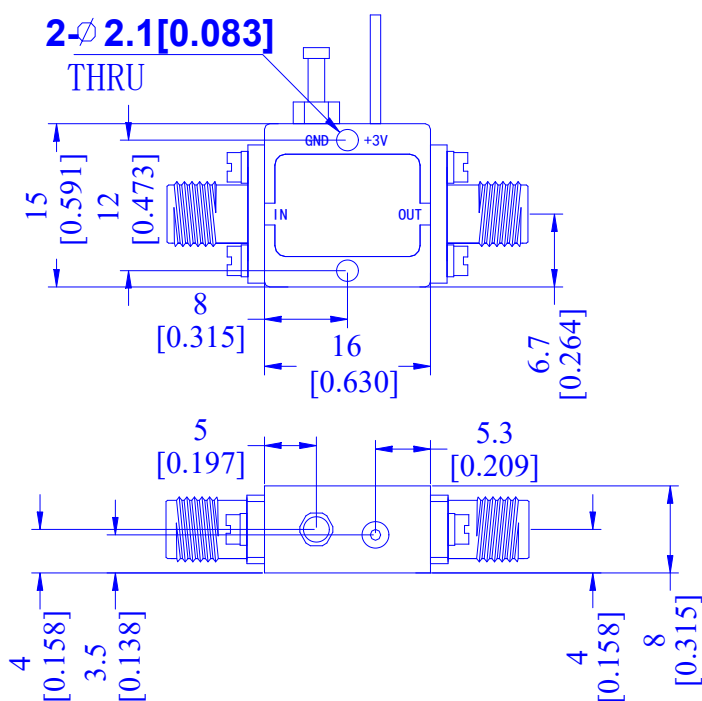
APPLICATIONS

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

SPECIFICATIONS

Parameters	Min.	Typ.	Max.	Units
Frequency Range	17	-	27	GHz
Impedance	-	50	-	Ohms
Gain	22	26	-	dB
Gain Flatness	-	±1.5	-	dB
Gain Variation Over Temperature(-40°C~+85°C)	-	±1.5	-	dB
Noise Figure	-	1.8	2.5	dB
Input VSWR	-	2.0	-	:1
Output VSWR	-	1.8	-	:1
Output 1dB Compression Point(P1dB)	6	9	-	dBm
Saturated Output Power(Psat)	-	11	-	dBm
Output 3rd Order Intercept(OIP3)	-	19	-	dBm
Supply Current(Vcc=+3V)	-	35	50	mA
Operating Temperature	-40°C~+85°C			
Storage Temperature	-50°C~+105°C			
Input/Output Connectors	2.92mm female			
Weight	120g max			
Surface Finishing	Gold Plated			
Material	Aluminum			

Outline Drawing [mm[inch]]



Tolerances ±0.1[0.004]

Absolute Maximum Ratings

Operating Voltage	+3.5V
RF Input Power	+20dBm

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