成都巨人微波
TITAN MICROWAVE INC.
- A Professional RF & Microwave Components Supplier -

Low Noise Amplifier

TMLA-06001800-2517-25 6-18 GHz, 25dB, P1dB 17dBm, N.F. 2.5dB

FEATURES

- Wide Band Operation 6-18 GHz
- Small Signal Gain 25dB Typical
- P1dB Output Power +19.5dBm Typical
- Supply Voltage +12V

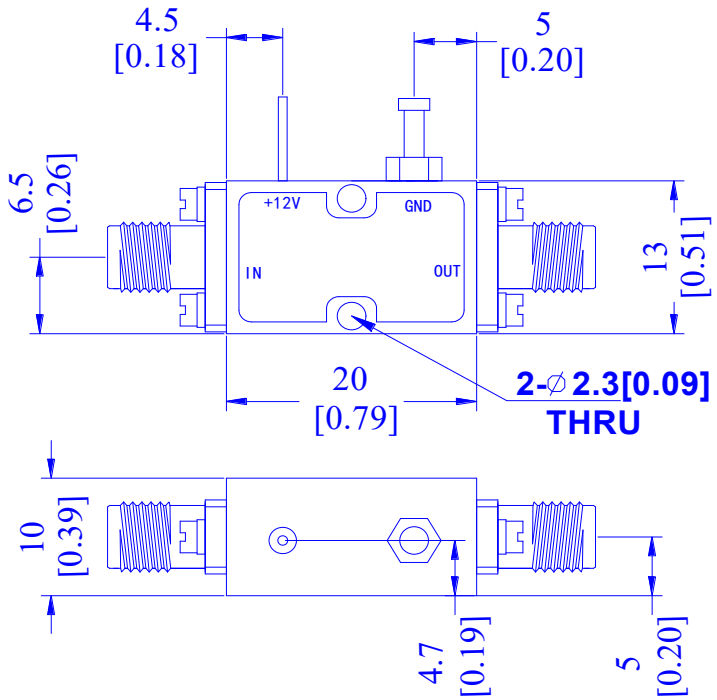
APPLICATIONS

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

SPECIFICATIONS

Parameters	Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Frequency Range	6	-	12	12	-	18	GHz
Impedance	-	50	-	-	50	-	Ohms
Gain	25	27	-	24	25	-	dB
Gain Flatness	-	±1.5	-	-	±1.0	-	dB
Gain Variation Over Temperature(-40℃-+85℃)	-	±1.0		-	±1.0	-	dB
Noise Figure	-	2.0	2.5	-	2.0	2.5	dB
Input VSWR	-	1.6	2.0	-	1.7	2.0	:1
Output VSWR	-	1.5	1.8	-	1.5	2.0	:1
Output 1dB Compression Point(P1dB)	17	19	-	17.5	19.5	-	dBm
Saturated Output Power(Psat)	-	20	-	-	20	-	dBm
Output 3rd Order Intercept(OIP3)	-	27	-	-	25	-	dBm
Supply Current(Vcc=+12V)	-	180	230	-	180	230	mA
Operating Temperature	-40℃~+85℃						
Storage Temperature	-50℃~+105℃						
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	0dBm

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