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

Low Noise Amplifier

TMLA-16004500-3221-65 16-45 GHz, 32dB, P1dB 21dBm, N.F. 6.5dB

FEATURES

- Wide Band Operation 16-45 GHz
- Small Signal Gain 36dB Typical
- P1dB Output Power +21dBm Typical
- Supply Voltage +12V@300mA

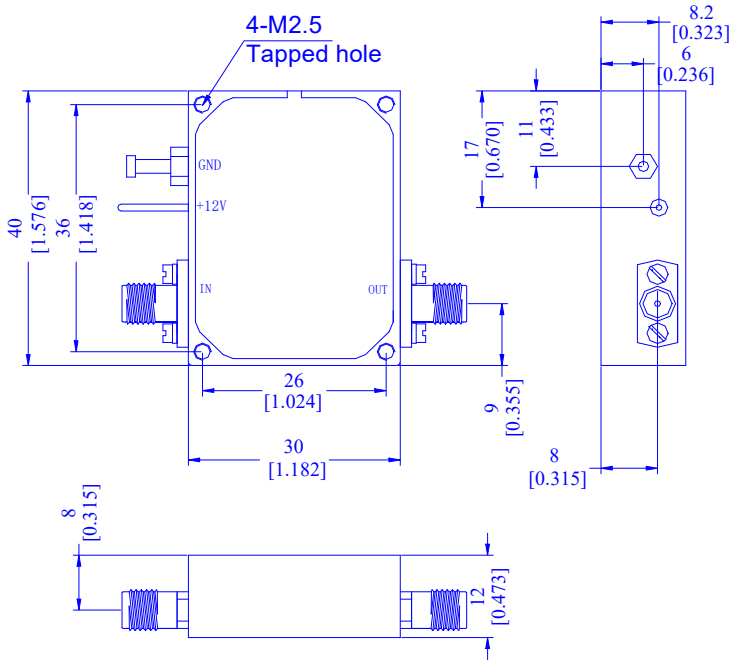
APPLICATIONS

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

SPECIFICATIONS

Parameters	Min.	Typ.	Max.	Units
Frequency Range	16	-	45	GHz
Impedance	-	50	-	Ohms
Gain(16 GHz-16.6 GHz)	29.5	32	-	dB
Gain(16.6 GHz-45 GHz)	32	36	-	dB
Gain Flatness	-	±3.0	-	dB
Gain Variation Over Temperature(-40℃~+85℃)	-	±1.5	-	dB
Noise Figure	-	6.5	8.5	dB
Input VSWR	-	2.2	-	:1
Output VSWR	-	2.2	-	:1
Output 1dB Compression Point(P1dB)	17	21	-	dBm
Saturated Output Power(Psat)	-	22	-	dBm
Output 3rd Order Intercept(OIP3)	-	30	-	dBm
Supply Current(Vcc=+12V)	-	300	400	mA
Operating Temperature	-40℃~+85℃			
Storage Temperature	-50℃~+105℃			
Input/Output Connectors	2.92mm female			
Weight	50g 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	-8dBm

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