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

Low Noise Amplifier

TMLA-00102000-2722-35 0.1-20 GHz, 27dB, P1dB 22dBm, N.F. 3.5dB

FEATURES

- Ultra Wide Band Operation 0.1-20 GHz
- Small Signal Gain 28dB Typical
- P1dB Output Power +16dBm Typical
- Supply Voltage +12V@210mA

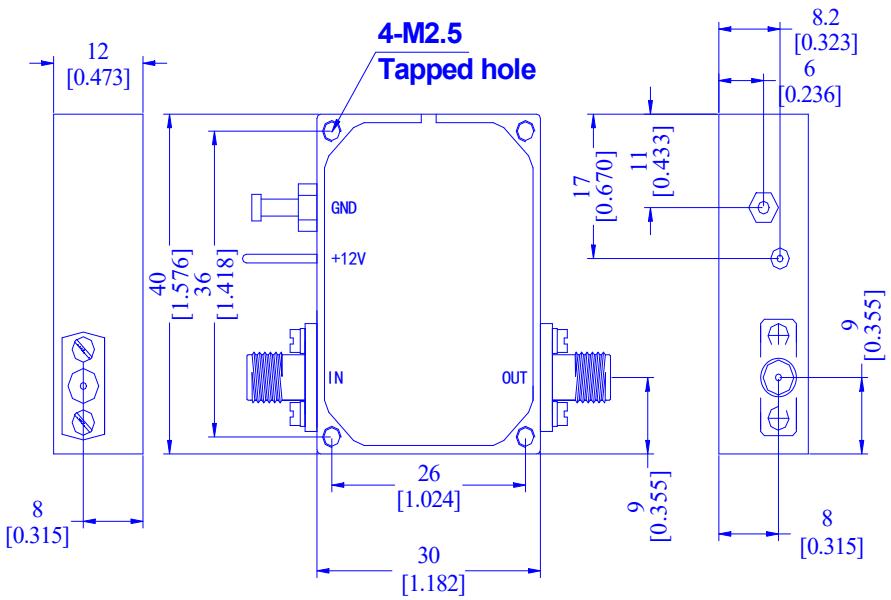
APPLICATIONS

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

SPECIFICATIONS

Parameters	Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Frequency Range	0.1	-	0.2	0.2	-	10	10	-	20	GHz
Impedance	-	50	-	-	50	-	-	50	-	Ohms
Gain	27	30	32	27	29	32	25	27	31	dB
Gain Flatness	-	±1.0	-	-	±1.0	±1.5	-	±1.5	±2.0	dB
Noise Figure	-	3.5	-	-	1.5	3.5	-	2.5	3.6	dB
Input VSWR	-	3	-	-	1.8	2	-	1.8	2	:1
Output VSWR	-	1.5	-	-	1.5	1.8	-	1.5	1.8	:1
Output 1dB Compression Point(P1dB)	-	22	-	22	24	-	20	22	-	dBm
Saturated Output Power(Psat)	-	24	-	-	25	-	-	23	-	dBm
Output 3rd Order Intercept(OIP3)	-	28	-	-	28	-	-	27	-	dBm
Supply Current(Vcc=+12V)	-	260	300	-	260	300	-	260	300	mA
Operating Temperature	-40℃~+85℃									
Storage Temperature	-50℃~+105℃									
Input/Output Connectors	SMA female									
Weight	40g 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	+4dBm

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