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

Low Noise Amplifier

TMLA-26504000-4718-30 26.5-40 GHz, 47dB, P1dB 18dBm, N.F. 3.0dB

FEATURES

- Wide Band Operation 26.5-40 GHz
- Small Signal Gain 47dB Typical
- P1dB Output Power +20dBm Typical
- Supply Voltage +12V@270mA

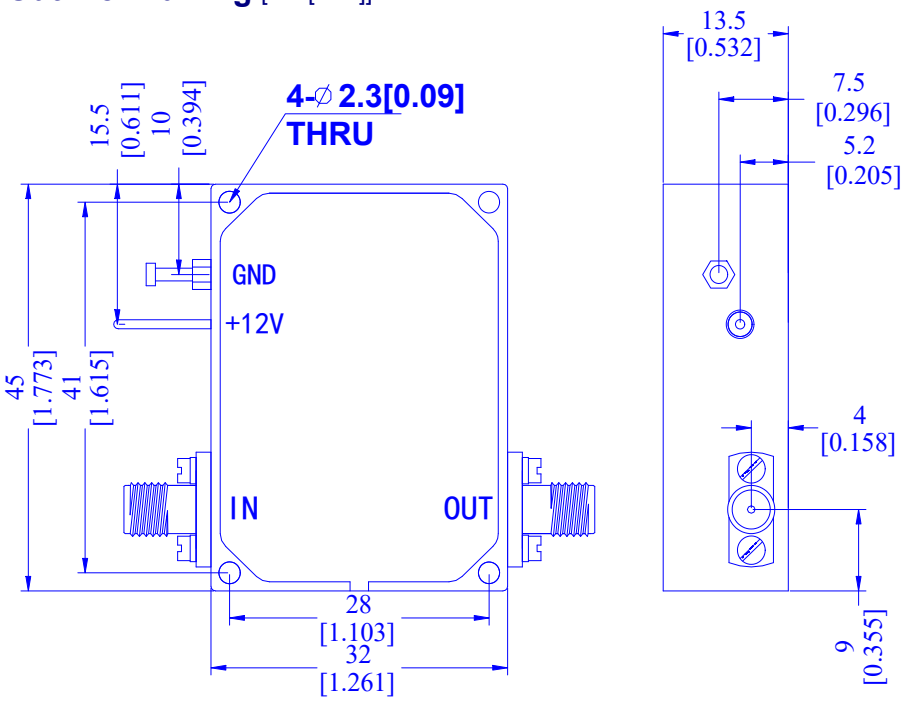
APPLICATIONS

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

SPECIFICATIONS

Parameters	Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Frequency Range	26.5	-	32	32	-	40	GHz
Impedance	-	50	-	-	50	-	Ohms
Gain	47	48	-	46	47	-	dB
Gain Flatness	-	±1.0	-	-	±2.0	-	dB
Gain Variation Over Temperature(-40℃-+85℃)	-	±1.5		-	±3.0	-	dB
Noise Figure	-	2.5	3.0	-	3.0	4.0	dB
Input VSWR	-	1.8	-	-	2.0	-	:1
Output VSWR	-	2.0	-	-	3.0	-	:1
Output 1dB Compression Point(P1dB)	18	21	-	15	18	-	dBm
Saturated Output Power(Psat)	-	22	-	-	19	-	dBm
Output 3rd Order Intercept(OIP3)	-	25	-	-	20	-	dBm
Supply Current(Vcc=+12V)	-	270	400	-	270	400	mA
Operating Temperature	-40℃~+85℃						
Storage Temperature	-50℃~+105℃						
Input/Output Connectors	2.92mm female						
Weight	60g max						
Surface Finishing	Gold Plated						
Material	Aluminum						

Outline Drawing [mm[inch]]



Absolute Maximum Ratings	
Operating Voltage	+15V
RF Input Power	-25dBm

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

Tolerances ±0.1[0.004]