

TMLA-01001200-3024-18 1-12 GHz, 30dB, P1dB 24dBm, N.F. 1.8dB

FEATURES

- ❖ Wide Band Operation 1-12 GHz
- ❖ Small Signal Gain 35dB Typical
- ❖ P1dB Output Power +26dBm Typical
- ❖ Supply Voltage +12V

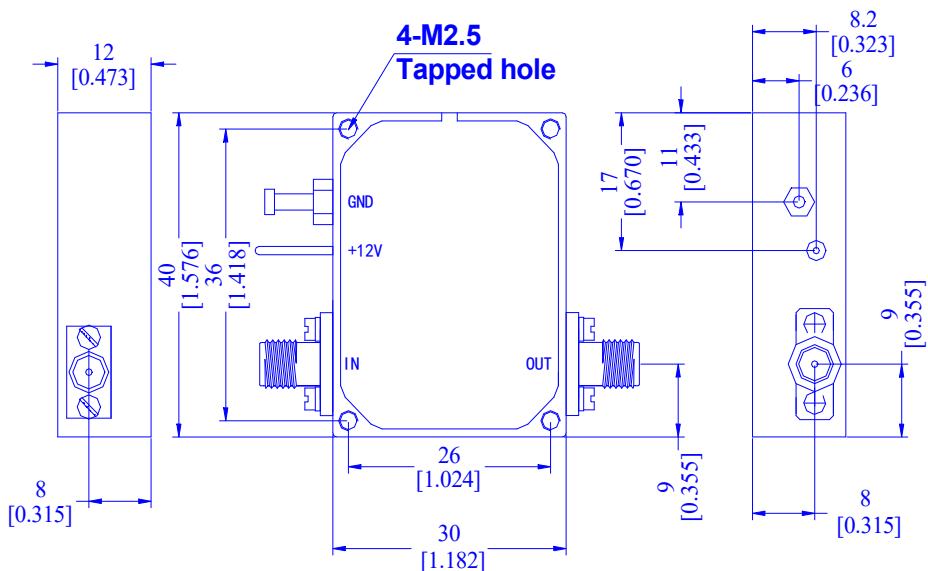
APPLICATIONS

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

SPECIFICATIONS

Parameters	Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Frequency Range	1	-	6	6	-	12	GHz
Impedance	-	50	-	-	50	-	Ohms
Gain	30	35	-	29	34	-	dB
Gain Flatness	-	±1.0	-	-	±1.0	-	dB
Gain Variation Over Temperature(-40°C~+85°C)	-	±0.8	-	-	±1.0	-	dB
Noise Figure	-	1.8	2.5	-	1.8	2.8	dB
Input VSWR	-	1.6	2.0	-	1.7	2.0	:1
Output VSWR	-	1.5	2.0	-	1.5	2.0	:1
Output 1dB Compression Point(P1dB)	24	26	-	24	25	-	dBm
Saturated Output Power(Psat)	-	27	-	-	26	-	dBm
Output 3rd Order Intercept(OIP3)	-	35	-	-	32	-	dBm
Supply Current(Vcc=+12V)	-	320	400	-	320	400	mA
Operating Temperature	-40°C~+85°C						
Storage Temperature	-50°C~+105°C						
Input/Output Connectors	SMA female						
Weight	95g 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	+2dBm

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