

TMLA-06001800-3526-30 6-18 GHz, 35dB, P1dB 26dBm, N.F. 3.0dB

FEATURES

- ❖ Wide Band Operation 6-18 GHz
- ❖ Small Signal Gain 39dB Typical
- ❖ P1dB Output Power +28dBm Typical
- ❖ Supply Voltage +12V

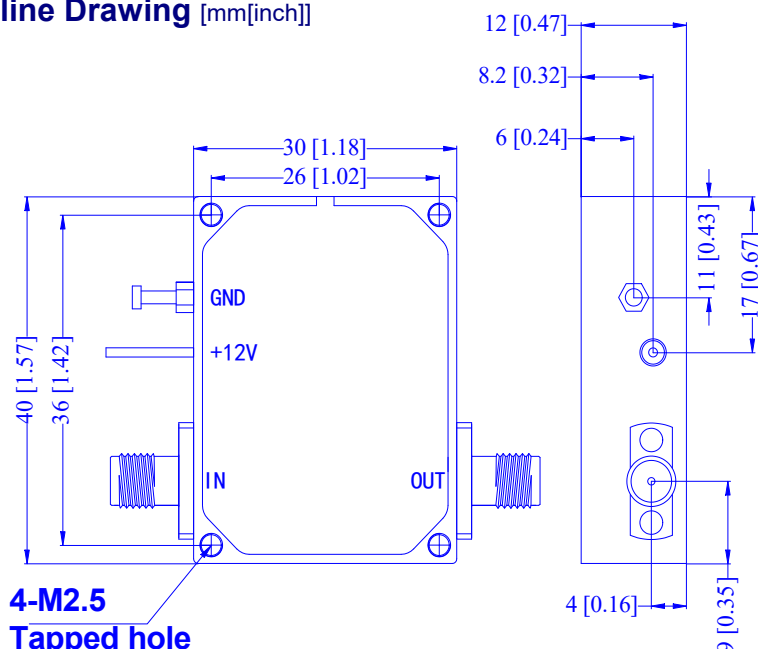
APPLICATIONS

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

SPECIFICATIONS

Parameters	Min.	Typ.	Max.	Units
Frequency Range	6	-	18	GHz
Impedance	-	50	-	Ohms
Gain	35	39	-	dB
Gain Flatness	-	±2.0	±3.0	dB
Gain Variation Over Temperature(-40°C~+85°C)	-	±1.0	-	dB
Noise Figure	-	2.2	3.0	dB
Input VSWR	-	2.0	2.5	:1
Output VSWR	-	1.8	2.2	:1
Output 1dB Compression Point(P1dB)	26	28	-	dBm
Saturated Output Power(Psat)	27	30	-	dBm
Output 3rd Order Intercept(OIP3)	-	35	-	dBm
Supply Current(Vcc=+12V)	-	500	1000	mA
Operating Temperature	-40°C~+85°C			
Storage Temperature	-50°C~+105°C			
Input/Output Connectors	SMA female			
Weight	100g max			
Surface Finishing	Gold Plated			
Material	Copper			

Outline Drawing [mm[inch]]



Tolerances ±0.1[0.004]

Absolute Maximum Ratings

Operating Voltage	+15V
RF Input Power	-3dBm

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