

TMLA-35007000-3216-80 35-70 GHz, 32dB, P1dB 16dBm, N.F. 8dB

FEATURES

- ❖ Wide Band Operation 35-70 GHz
- ❖ Small Signal Gain 35dB Typical
- ❖ P1dB Output Power +17dBm Typical
- ❖ Supply Voltage +5Vdc

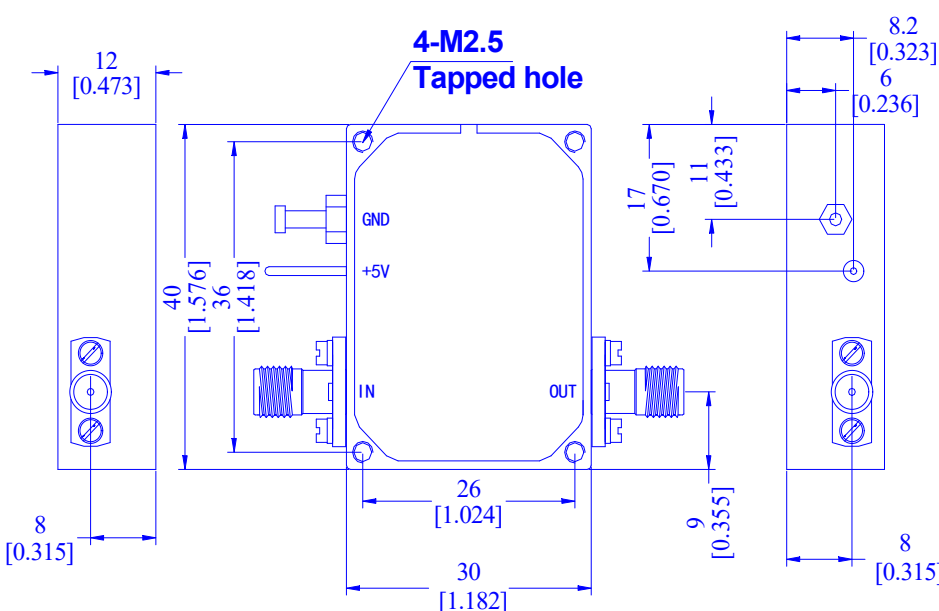
APPLICATIONS

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

SPECIFICATIONS

Parameters	Min.	Typ.	Max.	Units
Frequency Range	35	-	70	GHz
Impedance	-	50	-	Ohms
Gain	32	35	-	dB
Gain Flatness	-	±2.5	-	dB
Gain Variation Over Temperature(-40°C~+85°C)	-	±2.5	-	dB
Noise Figure	-	8.0	-	dB
Input VSWR	-	2.0	-	:1
Output VSWR	-	2.0	-	:1
Output 1dB Compression Point(P1dB)	16	17	-	dBm
Saturated Output Power(Psat)	-	19	-	dBm
Output 3rd Order Intercept(OIP3)	-	26	-	dBm
Supply Current(Vcc=+5V)	-	650	1000	mA
Operating Temperature	-40°C~+85°C			
Storage Temperature	-50°C~+105°C			
Input/Output Connectors	1.85mm female			
Weight	90g max			
Surface Finishing	Gold Plated			
Material	Aluminum			

Outline Drawing [mm[inch]]



Tolerances ±0.1[0.004]

Absolute Maximum Ratings

Operating Voltage	+6.5V
RF Input Power	+0dBm

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