

TMLA-18004000-5512-45 18-40 GHz, 55dB, P1dB 12dBm, N.F. 4.5dB

FEATURES

- ❖ Wide Band Operation 18-40 GHz
- ❖ Small Signal Gain 55dB Typical
- ❖ P1dB Output Power +12dBm Typical
- ❖ Supply Voltage +12V@260mA

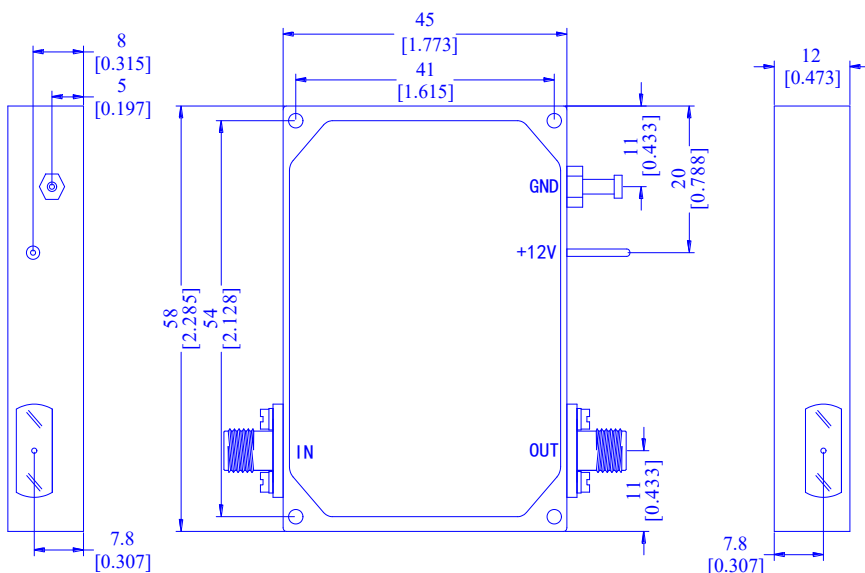
APPLICATIONS

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

SPECIFICATIONS

Parameters	Min.	Typ.	Max.	Units
Frequency Range	18	-	40	GHz
Impedance	-	50	-	Ohms
Gain	50	55	-	dB
Gain Flatness	-	±2.0	±3.0	dB
Gain Variation Over Temperature(-40°C~+85°C)	-	±2.0	-	dB
Noise Figure	-	4.0	4.5	dB
Input VSWR	-	1.6	2.5	:1
Output VSWR	-	1.6	2.5	:1
Output 1dB Compression Point(P1dB)	8	12	-	dBm
Saturated Output Power(Psat)	-	13	-	dBm
Output 3rd Order Intercept(OIP3)	-	22	-	dBm
Supply Current(Vcc=+12V)	-	260	350	mA
Operating Temperature	-40°C~+85°C			
Storage Temperature	-50°C~+105°C			
Input/Output Connectors	2.92mm female			
Weight	80g max			
Surface Finishing	Nickel Plated			
Material	Aluminum			

Outline Drawing [mm[inch]]



Absolute Maximum Ratings

Operating Voltage	+15V
RF Input Power	-30dBm

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

Tolerances ±0.1[0.004]