

TMLA-00700300-3939 0.7-3 GHz, 39dB, Psat 39dBm, SMA female

FEATURES

- ❖ Gain 41dB Typical
- ❖ Saturated Output Power +39dBm Typical
- ❖ P1dB Output Power +34dBm Minimum
- ❖ Supply Voltage +24V

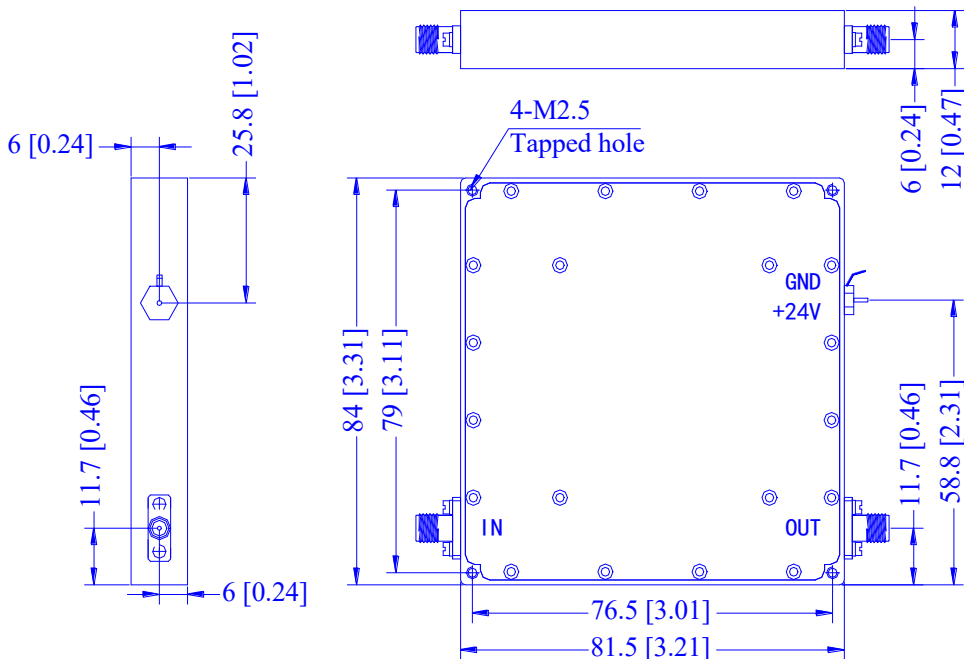
APPLICATIONS

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

SPECIFICATIONS

Parameters	Min.	Typ.	Max.	Units
Frequency Range	0.7	-	3	GHz
Impedance	-	50	-	Ohms
Gain	39	41	45	dB
Gain Flatness	-	±1.0	±1.5	dB
Gain Variation Over Temperature(-40°C~+85°C)	-	±1.0	-	dB
Input VSWR	-	1.5	2.0	:1
Output 1dB Compression Point(P1dB)	34	36	-	dBm
Saturated Output Power(Psat)	-	39	-	dBm
Power Added Efficiency	-	20	-	%
Supply Current(Vcc=+24V)	-	750	1200	mA
Operating Temperature	-40°C~+85°C			
Storage Temperature	-50°C~+105°C			
Input/Output Connectors	SMA female			
Weight	200g max			
Surface Finishing	Nickel Plated			
Material	Aluminum			

Outline Drawing [mm[inch]]



Absolute Maximum Ratings

Operating Voltage	+25V@25°C
RF Input Power(+24V)	+2dBm@25°C

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