

TMLA-47005000-4508-30 47-50 GHz, Gain 45dB, P1dB 8dBm, N.F. 3.0dB

FEATURES

- ❖ Wide Band Operation 47-50 GHz
- ❖ Gain 45dB Minimum
- ❖ P1dB Output Power +8dBm Typical
- ❖ Supply Voltage +5Vdc

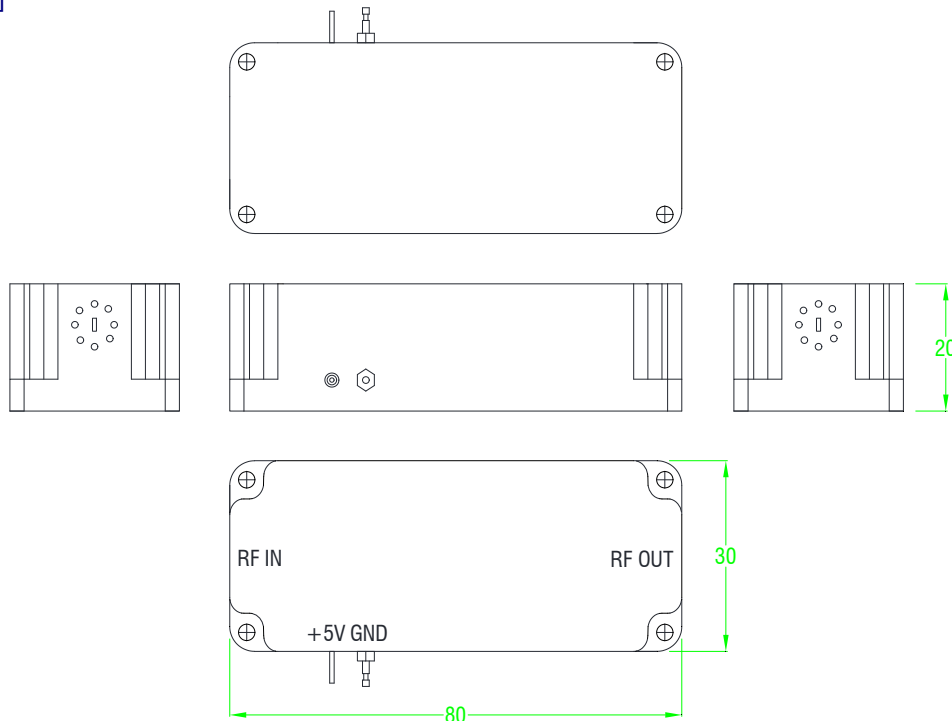
APPLICATIONS

- ❖ Wireless Infrastructure
- ❖ Test and Measurement Instrument
- ❖ Radar and EW Systems
- ❖ Satellite Receiver

SPECIFICATIONS

Parameters	Min.	Typ.	Max.	Units
Frequency Range	47	-	50	GHz
Impedance	-	50	-	Ohms
Gain	45	-	-	dB
Gain Flatness	-	±1.0	-	dB
Noise Figure	-	3.0	-	dB
Spurious	-	-	-60	dBc
VSWR	-	1.5	2.0	:1
Output 1dB Compression Point(P1dB)	-	+8	-	dBm
Input Power	-	-	+20	dBm
Supply Voltage	-	+5	-	V
Supply Current	-	250	-	mA
Operating Temperature	-40	-	+85	°C
Storage Temperature	-55	-	+125	°C
Humidity	-	95	-	%
Input/Output Connectors	WR19			
Weight	400g max			
Material	Aluminum			

Outline Drawing [mm]



Tolerances ±0.1[0.004]