

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/6/16	C. Chen

## TECHNICAL DATA

### ► Electrical Data

Frequency Range	0.02~30MHz
Max Output Power(Psat, CW)	≥53dBm(200W)
Gain	≥53dB
Gain Flatness	≤2±1dB
VSWR Input	≤2.0
Input Power	1±1dBm
Max Input Power	+6dBm
Spurious	≤-65dBc
Harmonic	≥-18dBc
Impedance	50 Ohms
PTT Port	Default ON
Temperature Protection	Over 80°C protection with open circuit protection
Operation Current	≤19A
VCC/Current Reference	+36V/25A
Max Operation Voltage	+37V

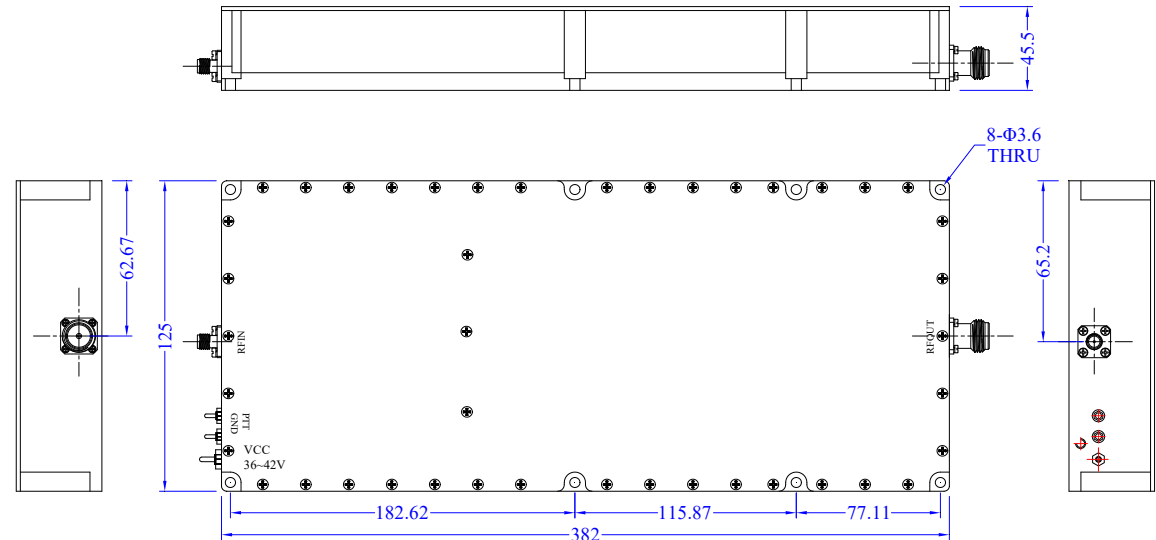
### ► Mechanical Data

Dimensions	382×125×45.5mm
Input Connector	SMA-Female
Output Connector	N-Female
36V Power Supply Interface	Feedthru Capacitor

### ► Environmental Data

Operating Temperature	-25°C~+55°C
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! Stress above these ratings may cause permanent damage to the device  
Radiator/Heatsink required during operation or test



DRAWN: L. Ma 16/06/22		
ENGINEER: J. Zhu 16/06/22		
APPROVED: C. Chen 16/06/22		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

#### TITLE:

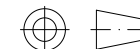
Power Amplifier, 0.02-30MHz, Gain 53dB, Output Power 53dBm, +36V, SMA/N-Female

#### PART No.:

TMPA-20K30M-5353



[www.titan-microwave.com](http://www.titan-microwave.com)



DIMENSIONS IN MILLIMETERS(mm)

SIZE: A4	SCALE:	SHEET: 1/1	REV: A
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#### Notes:

- ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
- CUSTOMER OUTLINE DRAWING FOR REFERENCE ONLY