

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/11/20	C. Chen

## TECHNICAL DATA

### ► Electrical Data

Frequency Range	20~1000MHz
Max Output Power(Psat)	≥53dBm(200W)
Gain	≥52dB
Gain Flatness	≤2±1dB
VSWR Input	≤1.6
Input Power	0±2dBm
Max Input Power	+6dBm
Spurious	≤-65dBc
Harmonic	≤-11dBc
Impedance	50 Ohms
PTT Port	Default OFF, 3.3~5V ON
Temperature Protection	Over 80℃ protection with open circuit protection
Operation Voltage	+28V~+32V
Operation Current	≤18~22A
VCC/Current Reference	+32V/25A

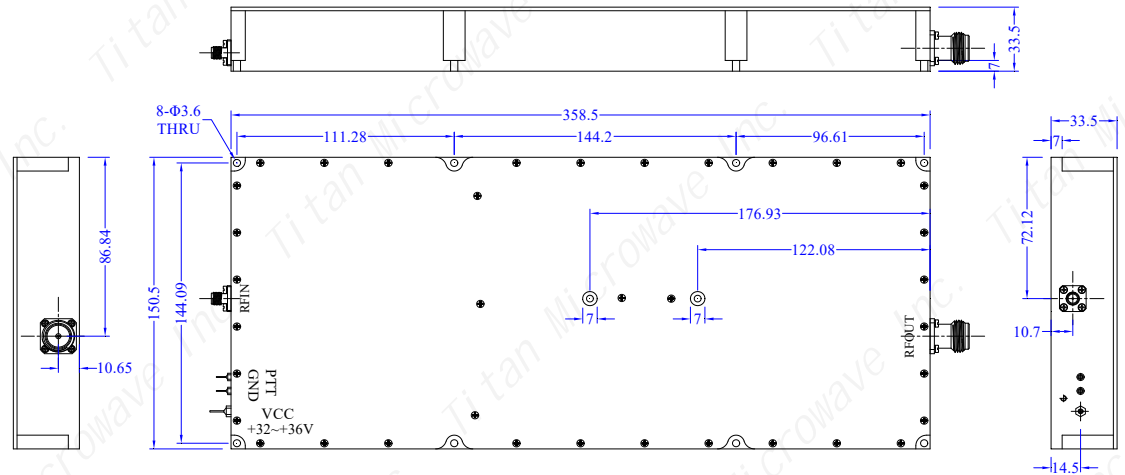
### ► Mechanical Data

Dimensions	358.5×150.5×33.5mm
Input Connector	SMA-Female
Output Connector	N-Female
32V Power Supply Interface	Feedthru Capacitor
Weight	2Kg max

### ► Environmental Data

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



#### Notes:

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

DRAWN: L. Ma 20/11/22		
ENGINEER: J. Zhu 20/11/22		
APPROVED: C. Chen 20/11/22		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

#### TITLE:

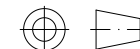
Power Amplifier, 20-  
1000MHz, Gain 52dB,  
Output Power 53dBm,  
+32V, SMA&N-Female

#### PART No.:

TMPA-00020100-5253



[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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