

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/5/11	C. Chen

TECHNICAL DATA

► Electrical Data

Frequency Range	700-2700MHz
Max Output Power(Psat)	≥53±0.5dBm
Gain	≥52dB
Gain Flatness	≤3±1dB
VSWR Input	≤1.8
Input Power	2±2dBm
Max Input Power	+6dBm
Spurious	≤-65dBc
Harmonic@200W	≤-11dBc
Impedance	50 Ohms
PTT Port	Default OFF, 3.3~5V ON
Temperature Protection	Over 80℃ protection with open circuit protection
Operation Current	≤17~23.5A
Operation Voltage	+36V
VCC/Current Reference	36V/26A

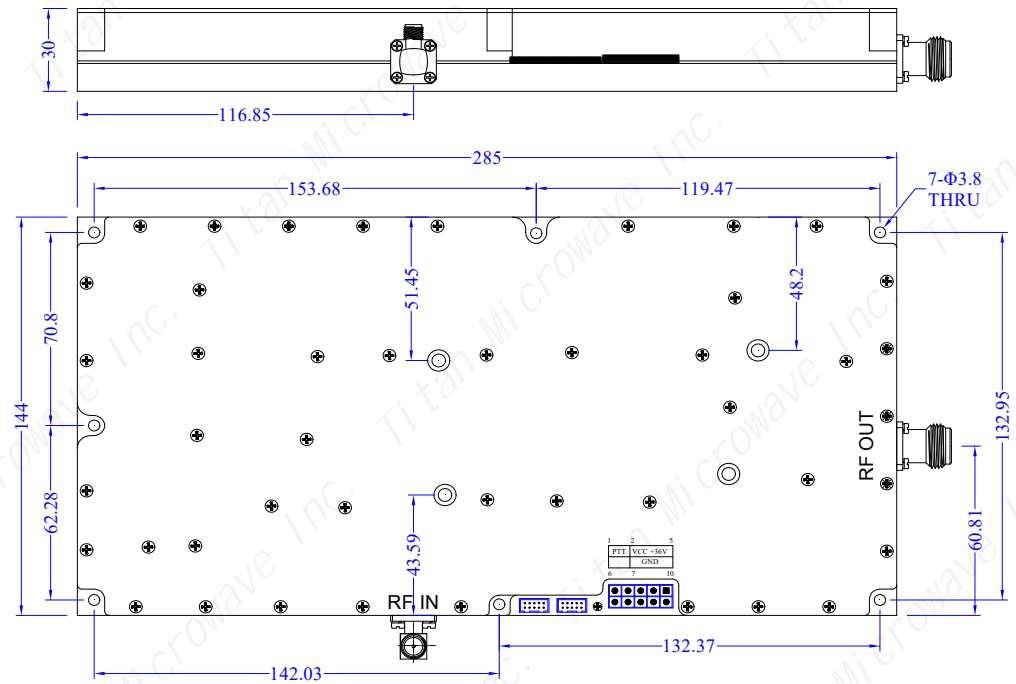
► Mechanical Data

Dimensions	285×144×30mm
Input Connector	SMA-Female
Output Connector	N-Female
36V Power Supply Interface	5557-4.2mm power-2×5
Package	1 piece/box
Weight	4.5Kg max

► Environmental Data

Operating Temperature	-30℃~+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 11/05/22		
ENGINEER: J. Zhu 11/05/22		
APPROVED: C. Chen 11/05/22		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

TITLE:

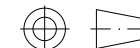
Power Amplifier,
0.7~2.7GHz, Gain 52dB,
Output Power 53±0.5dBm,
+36V, SMA/N-Female

PART No.:

TMPA-00700270-5253



www.titan-microwave.com



DIMENSIONS IN MILLIMETERS(mm)

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