

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

TECHNICAL DATA

► Electrical Data

Frequency Range	0.1~400MHz
Max Output Power(Psat)	≥50dBm(100W)
Gain	≥48dB
Gain Flatness	≤4±1dB
VSWR Input	≤2.0
Input Power	3±1dBm
Max Input Power	+10dBm
Spurious	≤-65dBc
Harmonic	≤-10dBc
Impedance	50 Ohms
PTT Port	Default OFF, 3.3~5V ON
Temperature Protection	Over 80℃ protection without open circuit protection
Operation Current	≤8-13.5A
Voltage/Current Reference	+32V/16A
Max Operation Voltage	+33V

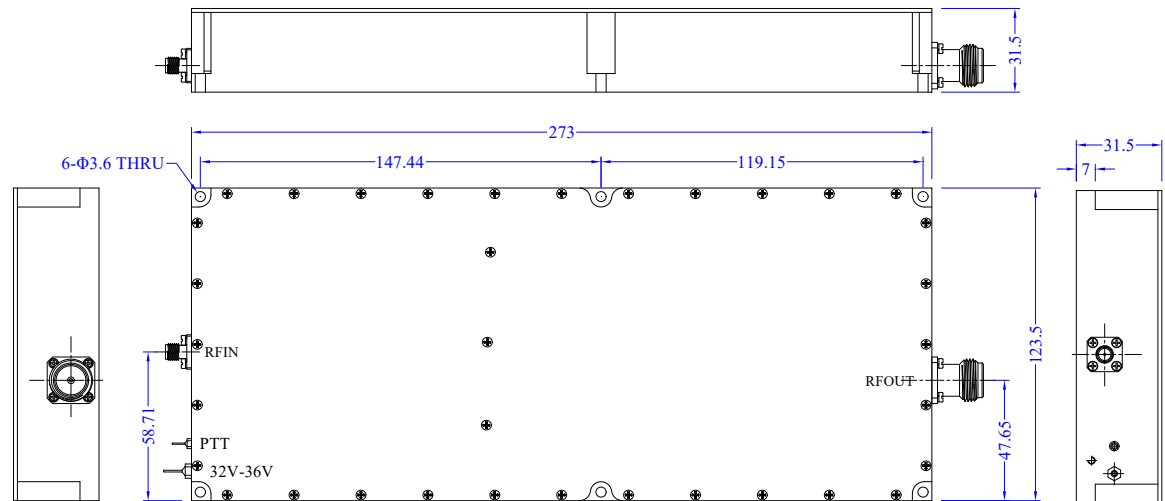
► Mechanical Data

Dimensions	273×123.5×31.5mm
Input Connector	SMA-Female
Output Connector	N-Female
32V Power Supply Interface	Feedthru Capacitor

► 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



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, 0.1-400MHz, Gain 48dB, Output Power 100W, +32V, SMA&N-Female



DIMENSIONS IN MILLIMETERS(mm)

PART No.:
TMPA-100K400M-4850

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