

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2023/5/7	C. Chen

TECHNICAL DATA

► Electrical Data(50Ω, 25℃)

Frequency Range	1~6GHz
Output Power(CW)	47dBm min, 48dBm typ
Gain	47dB min, 48dB typ
Gain Flatness	±4.0dB typ
Gain Variation@-30℃~+65℃	±3.0dB typ
Input VSWR	1.5:1 typ
Max Input Power	+5dBm
Harmonic	-10dBc typ
Spurious	-60dBc max
Isolation	-45dB typ
IMD3, 2-Tone@40dBm/Tone	-20dBc typ (1MHz spacing)
Operating Voltage	+32V typ, +34V max
Operating Current	2A typ, 16A max

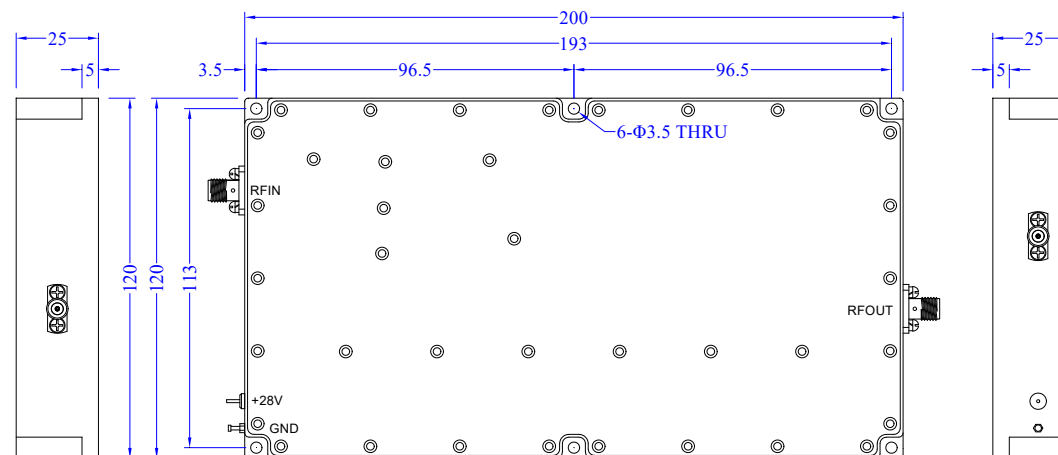
► Mechanical Data

Dimensions	200×120×25mm
Input Connector	SMA-Female
Output Connector	SMA-Female
DC Power/Interface Connector	Feedthru Capacitor

► Environmental Data

Operating Temperature	-30℃~+60℃
Storage Temperature	-50℃~+105℃

! Stress above these ratings may cause permanent damage to the device
Radiator/Heatsink required during operation or test(optional)



Notes:

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

DRAWN: L. Ma 07/05/23		
ENGINEER: J. Zhu 07/05/23		
APPROVED: C. Chen 07/05/23		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

TITLE:

Power Amplifier, 1-6GHz,
Gain 48dB, Output Power
48dBm, +32V, SMA-
Female

PART No.:

TMPA-01000600-4848



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DIMENSIONS IN MILLIMETERS(mm)

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