

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2023/9/21	C. Chen

TECHNICAL DATA

► Electrical Data(50Ω, 25℃)

Frequency Range	1~6GHz
Output Power(CW)	43dBm min, 45dBm typ
Gain	43dB min, 45dB 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@35dBm/Tone	-20dBc typ (1MHz spacing)
Operating Voltage	+28V typ, +30V max
Operating Current	1A typ, 6A max

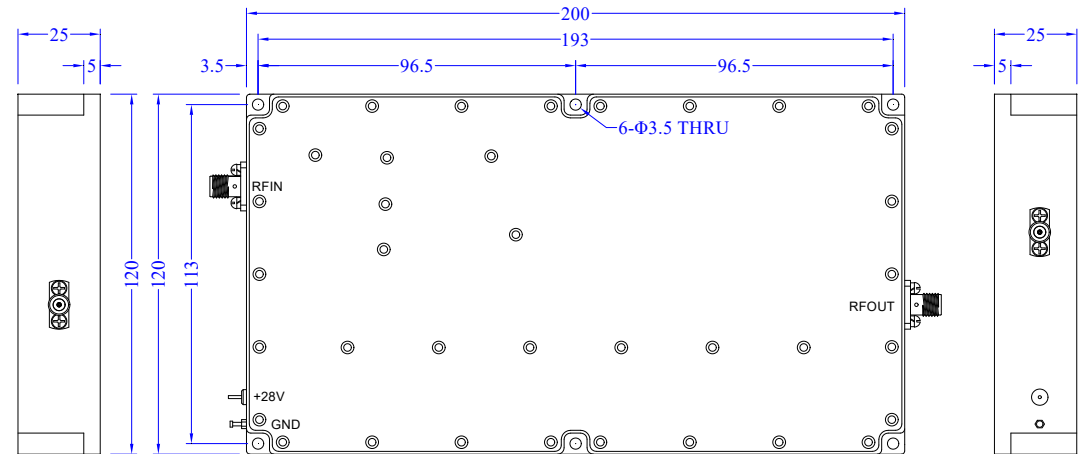
► Mechanical Data

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

► Environmental Data

Operating Temperature	-30℃~+70℃
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 21/09/23		
ENGINEER: J. Zhu 21/09/23		
APPROVED: C. Chen 21/09/23		
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 45dB, Output Power
45dBm, +28V, SMA-
Female

PART No.:
TMPA-01000600-4545



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DIMENSIONS IN MILLIMETERS(mm)

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