

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

TECHNICAL DATA

► Electrical Data(50Ω, 25°C)

Frequency Range	0.5~6GHz
Output Power(CW)	43dBm min, 44dBm typ
Output Power(P1dB)	41dBm typ
Gain	43dB min, 44dB typ
Gain Flatness	±5.0dB typ
Input VSWR	1.5:1 typ
Max Input Power	+5dBm
Harmonic	-15dBc typ, -9dBc max
Spurious	-60dBc max
IMD3, 2-Tone@37dBm/Tone	-25dBc typ (1MHz spacing)
Operating Voltage	+26V~+30V
Operating Current(VCC=28V)	0.7A typ, 6A max

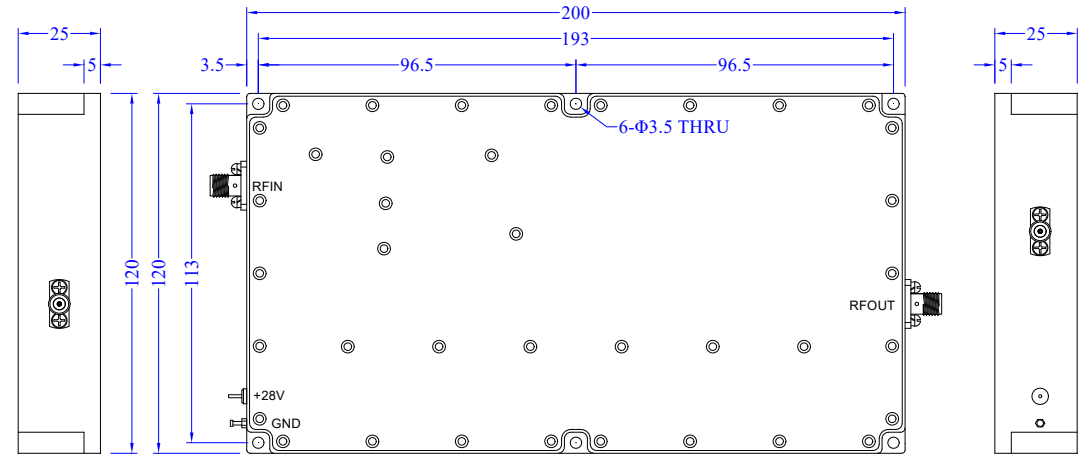
► Mechanical Data

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

► Environmental Data

Operating Temperature	-30°C~+70°C
Storage Temperature	-50°C~+105°C

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



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, 0.5-6GHz, Gain 44dB, Output Power 44dBm, +28V, SMA-Female

PART No.:
TMPA-00500600-4444

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DIMENSIONS IN MILLIMETERS(mm)

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