

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/8/18	C. Chen

TECHNICAL DATA

Electrical Data

Frequency Range	100~1500MHz
Max Output Power(Psat)	≥47dBm(50W)
Gain	≥46dB
Gain Flatness	≤4±1dB
VSWR Input	≤2.0
Input Power	3±2dBm
Max Input Power	+10dBm
Spurious	≤-65dBc
Harmonic	≥-8dBc
Impedance	50 Ohms
PTT Port	Default OFF, 3.3~5V ON
Temperature Protection	Over 80℃ protection with open circuit protection
Operation Current	≤6A
Voltage/Current Reference	+28V/6A
Max Operation Voltage	+32V

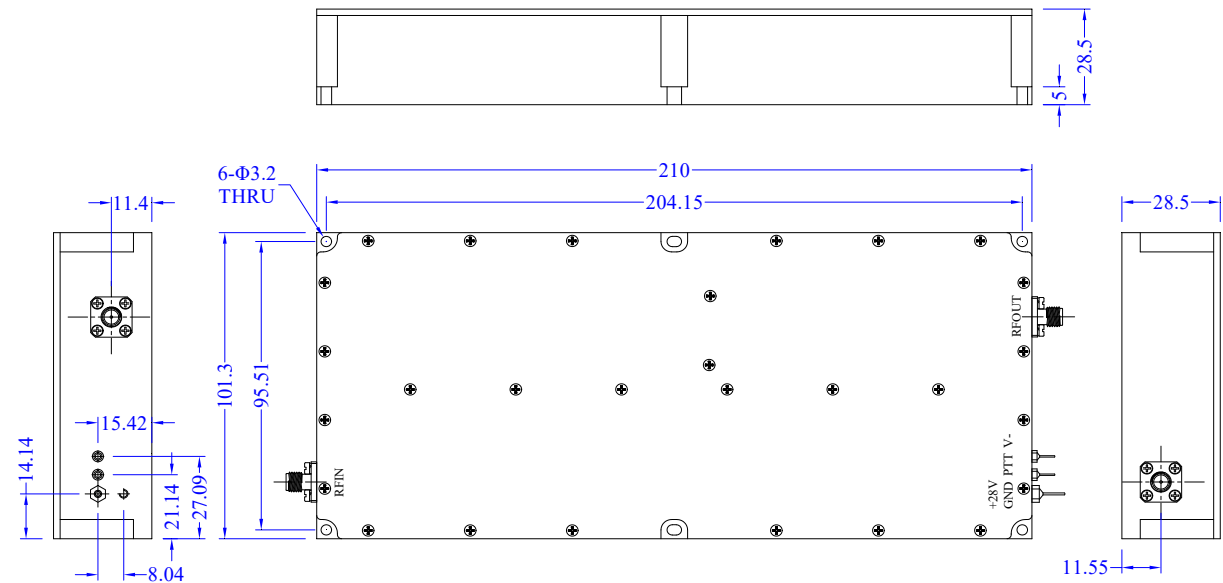
Mechanical Data

Dimensions	210×101.3×28.5mm
Input Connector	SMA-Female
Output Connector	SMA-Female
48V 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



Notes:

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

DRAWN: L. Ma 18/08/22		
ENGINEER: J. Zhu 18/08/22		
APPROVED: C. Chen 18/08/22		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

TITLE:

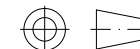
Power Amplifier, 100-1500MHz, Gain 46dB, Output Power 50W, +28V, SMA-Female

PART No.:

TMPA-00100150-4647



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DIMENSIONS IN MILLIMETERS(mm)

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