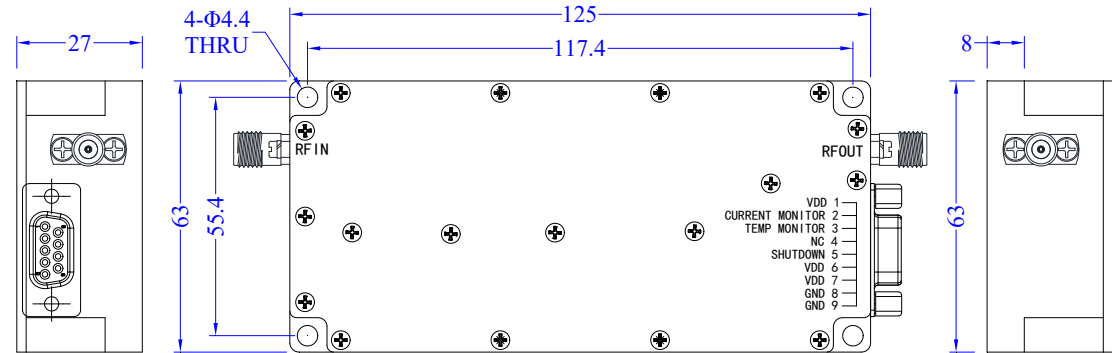


REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2023/6/22	C. Chen

TECHNICAL DATA

► Electrical Data(50Ω, 25°C)

Frequency Range	0.25~1000MHz
Output Power(CW)	40dBm min, 41dBm typ
Gain	40dB min, 43dB typ
Gain Flatness	±2dB typ
Gain Variation@-30°C~+65°C	±3dB typ
Input VSWR	1.5:1 typ
Max Input Power	+5dBm
Harmonic	-10dBc typ
IMD3, 2-Tone(35dBm/Tone)	-20dBc typ (1MHz Spacing)
Spurious	-60dBc max
Isolation	-45dB typ
Operating Voltage	+28V typ, +30V max
Operating Current	0.2A typ, 2A max



► Mechanical Data

Dimensions	125×63×27mm
Input Connector	SMA-Female
Output Connector	SMA-Female
DC Power/Interface Connector	9-Pin D-Sub

► Environmental Data

Operating Temperature	-30°C~+60°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(optional)

DC Power Connector, 9-Pin D-Sub, Male

Pin	Name	Function	Specifications
1	VCC	Power Supply	+26V~+30V
2	CM	Output	ID@40mV/100mA
3	TM	Output	VT@10mV/°C+500mV
4	NC	-	NC
5	Shutdown	Input	Amplifier Disable: TTL Logic High (Internally Pulled-Low)
6	VCC	Power Supply	+26V~+30V
7	VCC	Power Supply	+26V~+30V
8	GND	Power Supply	Ground
9	GND	Power Supply	Ground

DRAWN: L. Ma 22/06/23		
ENGINEER: J. Zhu 22/06/23		
APPROVED: C. Chen 22/06/23		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

TITLE:
Power Amplifier, 0.25-1000MHz, Gain 43dB, Output Power 41dBm, +28V, SMA-Female

PART No.:
TMPA-250K1G-4341

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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