

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/4/9	C. Chen

## TECHNICAL DATA

### ► Electrical Data

Frequency Range	0.02-1GHz
Output Power(P1dB)	40dBm min
output Power(Psat)	40.5dBm min
IP3	48dBm min(design assurance)
Gain	45dB min
Gain Flatness	±3.0dB typ
Input VSWR	2.5 max
Spurious	60dBc min
Harmonic	15dBc typ
Maximum Input Power	+10dBm
Impedance	50 Ohms
DC Voltage	+28V
Current	2000mA

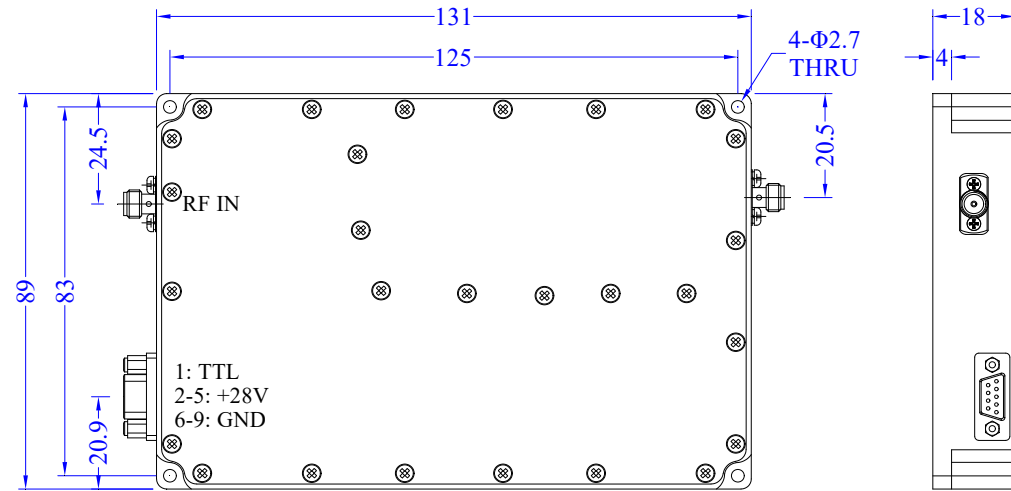
### ► Mechanical Data

RF Connectors	SMA-Female(stainless steel)
Weight	400g
Surface Treatment	Nickel plated

### ► Environmental Data

Operating Temperature	-40°C~+70°C
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! Stress above these ratings may cause permanent damage to the device



PIN Identifier	Specifications	
1	TTL, Enable	Amplifier Enable: TTL Logic High
2,3,4,5	DC Supply +28V	
6,7,8,9	GND	

DRAWN: L. Ma 09/04/22		
ENGINEER: J. Zhu 09/04/22		
APPROVED: C. Chen 09/04/22		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

**TITLE:**  
Power Amplifier, 0.02-1GHz, Gain 45dB, Output Power 40.5dBm, +28V, SMA-Female

**PART No.:**  
TMPA-00020100-4540



DIMENSIONS IN MILLIMETERS(mm)

<b>SIZE:</b> A4	<b>SCALE:</b>	<b>SHEET:</b> 1/1	<b>REV:</b> A
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**Notes:**

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