

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/4/16	C. Chen

## TECHNICAL DATA

### ► Electrical Data

Frequency Range	500-6000MHz
Output Power(Psat)	≥40dBm
Output Power(P1dB)	≥39dBm
Small Signal Gain	≥40dB
Gain Flatness	≤3±1dB
VSWR Input	≤2.0
Input Power	3±1dBm
Max Input Power	+6dBm
Spurious	≤-65dBc
Harmonic@10W	≥-10dBc at Worst point
Impedance	50 Ohms
PTT Port	Default OFF, 3.3~5V ON
Operation Current	≤2.7A
VCC/Current Reference	+28V~+32V/5A
Max Operation Voltage	+32V

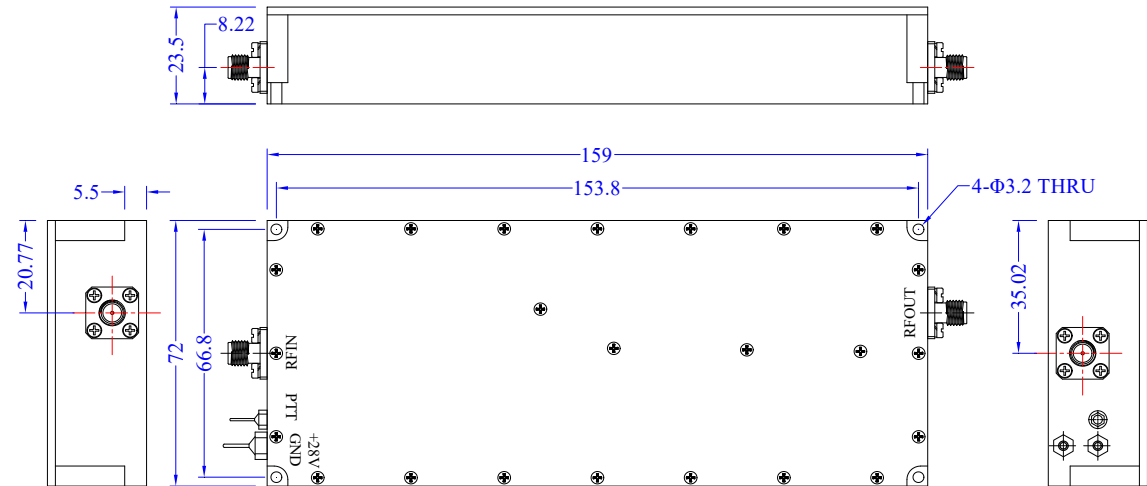
### ► Mechanical Data

Dimensions	159×66.8×23.5mm
Input Connector	SMA-Female
Output Connector	SMA-Female
28V Power Supply Interface	Feedthru capacitor
Weight	420g

### ► 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 16/04/22		
ENGINEER: J. Zhu 16/04/22		
APPROVED: C. Chen 16/04/22		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

#### TITLE:

Power Amplifier,  
0.5~6GHz, Gain 40dB,  
Output Power 40dBm,  
+28V, SMA-Female

#### PART No.:

TMPA-00500600-4040



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DIMENSIONS IN MILLIMETERS(mm)

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