

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/6/10	C. Chen

TECHNICAL DATA

► Electrical Data

Frequency Range	2-4.2GHz
Output Power(Psat)	≥43dBm
Gain	≥43dB
Gain Flatness	≤3±1dB
VSWR Input	≤2.0
Input Power	2±2dBm
Max Input Power	+6dBm
Spurious	≤-65dBc
Harmonic@100W	≥-15dBc
Impedance	50 Ohms
PTT Port	Default OFF, 5V ON
Temperature Protection	Over 80℃ protection with open circuit protection
Operation Current	≤3-4A
VCC/Current Reference	+28V~+32V/6A
Max Operation Voltage	+33V

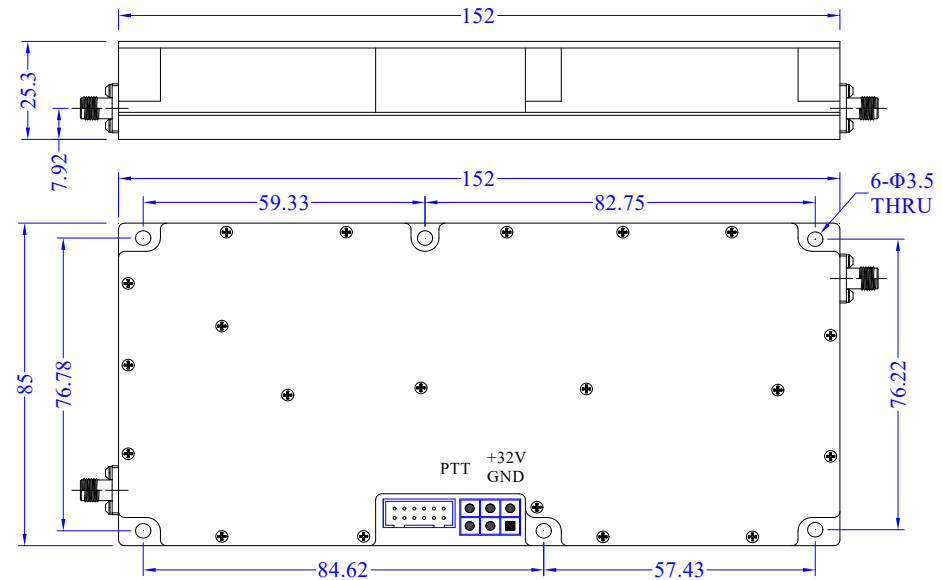
► Mechanical Data

Dimensions	152×85×25.3mm
Input Connector	SMA-Female
Output Connector	SMA-Female
32V Power Supply Interface	4.2mm Double Row 6P Female Connector

► 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 10/06/22		
ENGINEER: J. Zhu 10/06/22		
APPROVED: C. Chen 10/06/22		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

TITLE:

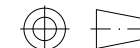
Power Amplifier,
2~4.2GHz, Gain 43dB,
Output Power 43dBm,
+32V, SMA-Female

PART No.:

TMPA-02000420-4343



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DIMENSIONS IN MILLIMETERS(mm)

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