

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/7/12	C. Chen

TECHNICAL DATA

► Electrical Data

Frequency Range	5.1-5.9GHz
Max Output Power(CW)	≥50±0.5dBm
Gain	≥48dB
Gain Flatness	≤2±1dB
Input Power	2±2dBm
Spurious	≤-65dBc
Harmonic@worst point	≤-30dBc
Impedance	50 Ohms
PTT Port	Default OFF, 3.3-5V ON
Temperature Protection	Over 80°C protection
Operating Voltage	+28V~+30V
Operating Current	9~10A
VCC/Current Reference	28V/12A

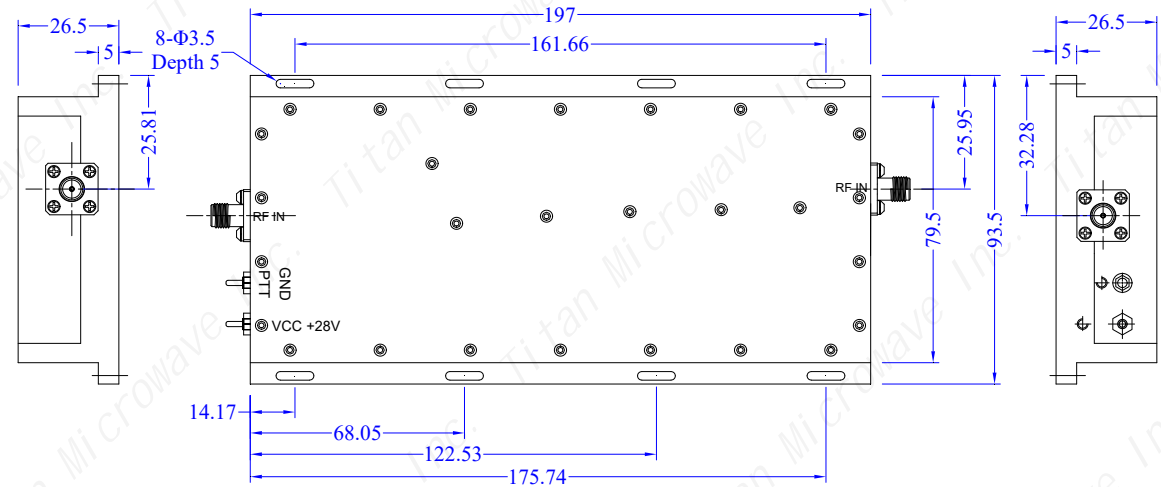
► Mechanical Data

Dimensions	197×93.5×26.5mm
Input/Output Connectors	SMA-Female
Power Supply Interface	Feedthru Capacitor
Weight	≤650g
Package	1 piece/box

► Environmental Data

Operating Temperature	-30°C~+55°C
-----------------------	-------------

- ! Stress above these ratings may cause permanent damage to the device
Radiator/Heatsink required during operation or test

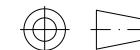


DRAWN: L. Ma 12/07/22		
ENGINEER: J. Zhu 12/07/22		
APPROVED: C. Chen 12/07/22		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

TITLE:	Power Amplifier, 5.1-5.9GHz, Gain 48dB, Output Power 50dBm, +28V, SMA-Female
PART No.:	TMPA-05100590-4850



www.titan-microwave.com



DIMENSIONS IN MILLIMETERS(mm)

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

Notes:

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