

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

TECHNICAL DATA

► Electrical Data

Frequency Range	0.03-1GHz
Output Power(Psat)	50dBm typ
Gain	48dB min
Gain Flatness	±3.0dB typ, ±4.0dB max
VSWR	1.7 typ
Spurious	65dBc min
Harmonic	10dBc min
Input Power	3±1dBm typ
Maximum Input Power	+6dBm
Impedance	50 Ohms
DC Voltage	+32V(feed-through), 33V max
Current	9-12A, 16A max
Temperature Protection	80°C protection
PTT Port	OFF(by default), 5V ON

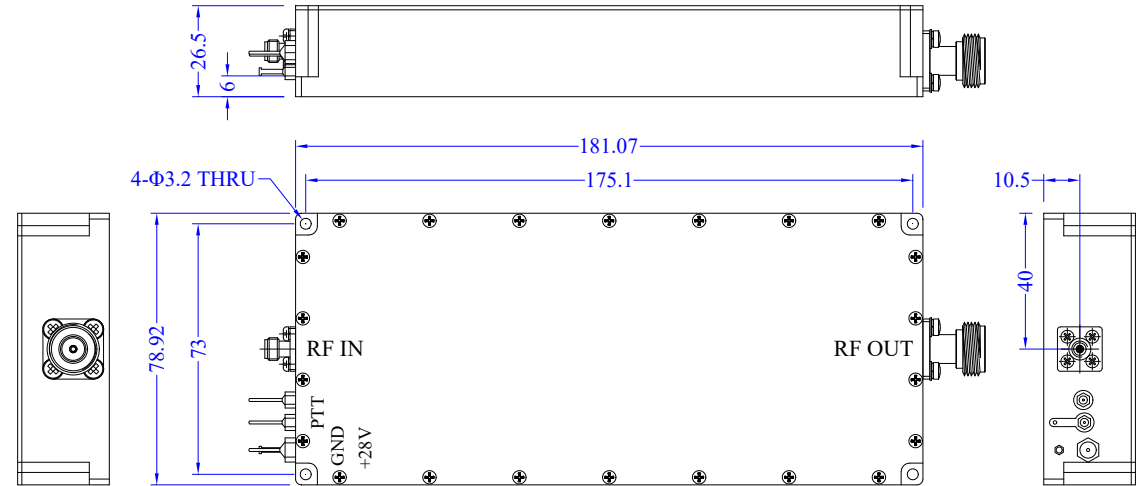
► Mechanical Data

Input Connector	SMA-Female
Output Connector	N-Female
Weight	620g
Surface Treatment	Nickel plated

► Environmental Data


Operating Temperature	-25°C~+55°C
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! Stress above these ratings may cause permanent damage to the device
Heatsink required during operation



Notes:

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

DRAWN: L. Ma 09/04/22	TITLE: Power Amplifier, 0.03-1GHz, Gain 48dB, Output Power 50dBm, +32V, SMA&N-Female	 www.titan-microwave.com		
ENGINEER: J. Zhu 09/04/22				
APPROVED: C. Chen 09/04/22		PART No.: TMPA-00030100-4850	DIMENSIONS IN MILLIMETERS(mm)	
TOLERANCE UNLESS OTHERWISE SPECIFIED	SIZE: A4		SCALE:	SHEET: 1/1
x ±0.50 [0.019"]				
.x ±0.20 [0.008"]				
.xx ±0.10 [0.004"]				
ANGLES ±1°				