

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

## TECHNICAL DATA

### ► Electrical Data

Frequency Range	0.5-1GHz
output Power(Psat)	50dBm typ
Gain	47dB min
Gain Flatness	3.0±1.0dB typ
VSWR	1.7 max
Spurious	65dBc min
Harmonic	12dBc min
Input Power	4±1dBm typ
Maximum Input Power	+8dBm
Impedance	50 Ohms
Operating Voltage	+28V
PTT Port	OFF(by default), 3.3-5V ON
Current	15A
Temperature Protection	80°C protection

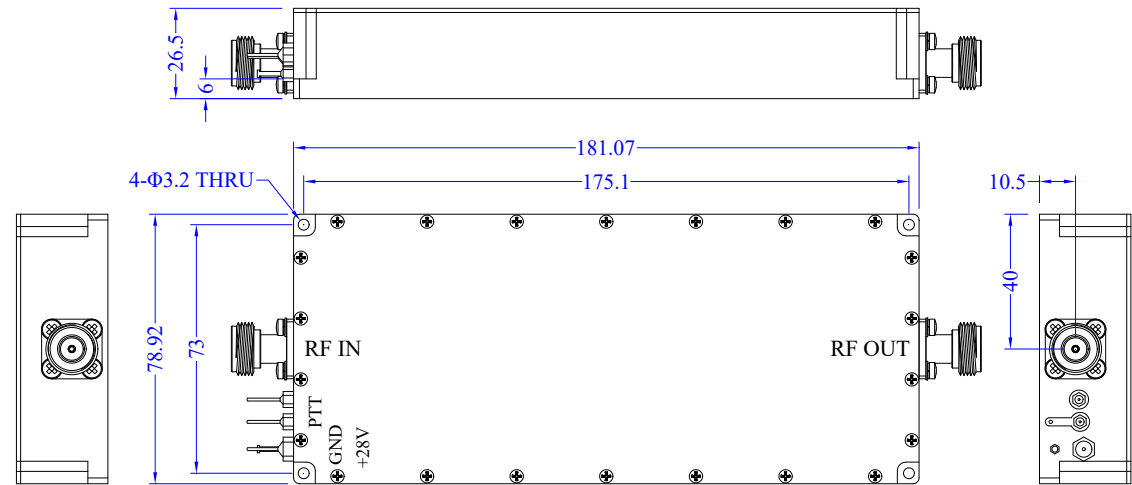
### ► Mechanical Data

RF Connectors	N-Female
Weight	1.5kg
Surface Treatment	Nickel plated

### ► Environmental Data

Operating Temperature	-25°C~+55°C
-----------------------	-------------

! Stress above these ratings may cause permanent damage to the device  
Heat Sink required during operation



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, 0.5-1GHz, Gain 47dB, Output Power 50dBm, +28V, N-Female

PART No.:  
TMPA-00500100-4750



[www.titan-microwave.com](http://www.titan-microwave.com)



DIMENSIONS IN MILLIMETERS(mm)

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

#### Notes:

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