

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/11/20	C. Chen

TECHNICAL DATA

Electrical Data

Frequency Range	10~30MHz
Max Output Power(CW)	≥60dBm(1000W)
Gain	≥60dB
VSWR Input	≤1.7
Input Power	1±1dBm
Max Input Power	+6dBm
Output Back-off	7dB
Spurious	≤-65dBc
Harmonic	≤-10dBc
Impedance	50 Ohms
PTT Port	Default OFF, 5V ON
Temperature Protection	Over 80℃ protection with open circuit protection
Operation Current	≤43A
Voltage/Current Reference	+48V/50A
Max Operation Voltage	+50V

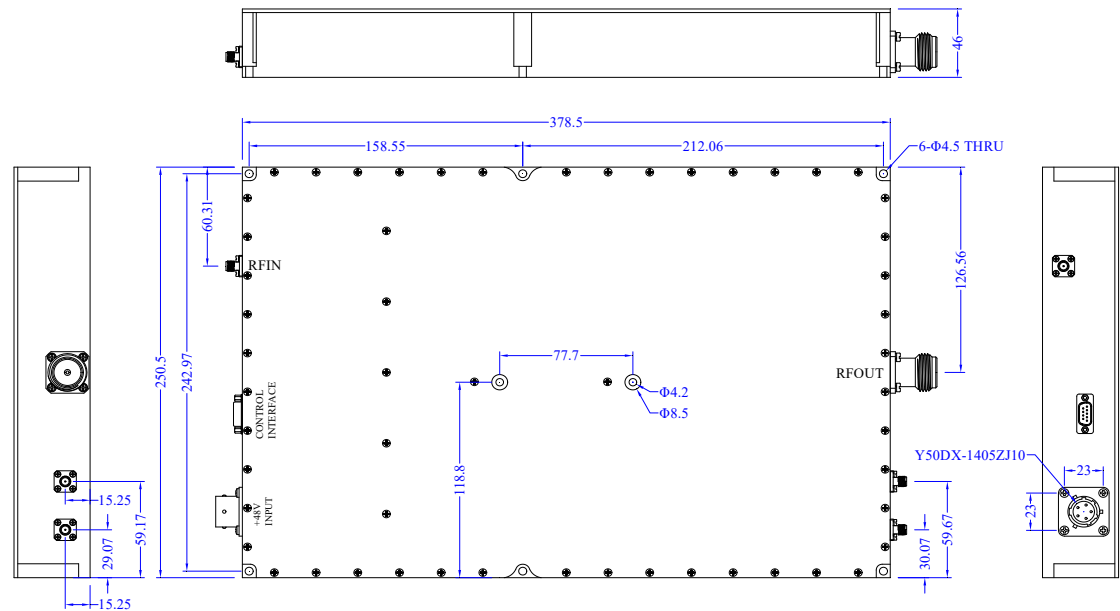
Mechanical Data

Dimensions	378.5×250.5×46mm
Input Connector	SMA-Female
Output Connector	N-Female
Power Supply Interface	+24V Power Supply 1A Current & 5 Pin Aviation Plug Connector-Y50DX-1405ZJ10

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 20/11/22		
ENGINEER: J. Zhu 20/11/22		
APPROVED: C. Chen 20/11/22		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

TITLE:

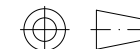
Power Amplifier, 10-30MHz, Gain 60dB,
Output Power 60dBm,
+28V, SMA-Female

PART No.:

TMPA-10M30M-6060



www.titan-microwave.com



DIMENSIONS IN MILLIMETERS(mm)

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