

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2023/3/10	C. Chen

## TECHNICAL DATA

### ► Electrical Data(50Ω, 25°C)

Frequency Range	0.01~30MHz
Output Power(CW)	40dBm min, 41dBm typ
Gain	35dB min, 37dB typ
Gain Flatness	±2.0dB typ
Gain Variation@-30°C~+65°C	±3.0dB typ
Input VSWR	1.5:1 typ
Max Input Power	+8dBm
Harmonic	-10dBc typ
2-Tone Intermodulation(IMD)	-20dBc typ(30dBm/Tone, Δ=1MHz)
Spurious	-60dBc max
Isolation	-45dB typ
DC Power Supply	+28V typ, +30V max
Operation Current	0.2A typ, 2A max

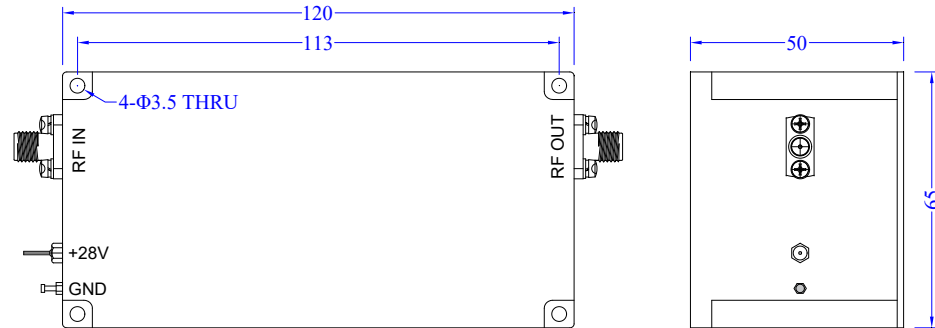
### ► Mechanical Data

Dimensions	120×65×50mm
Input Connector	SMA-Female
Output Connector	SMA-Female
28V Power Supply Interface	Feedthru Capacitor

### ► Environmental Data

Operating Temperature	-30°C~+60°C
Storage Temperature	-50°C~+105°C

! 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 10/03/23		
ENGINEER: J. Zhu 10/03/23		
APPROVED: C. Chen 10/03/23		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

#### TITLE:

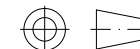
Power Amplifier, 0.01-30MHz, Gain 35dB, Output Power 40dBm, +28V, SMA-Female

#### PART No.:

TMPA-10K30M-3540



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



DIMENSIONS IN MILLIMETERS(mm)

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