

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2023/8/11	C. Chen

TECHNICAL DATA

► Electrical Data(50Ω, 25℃)

Frequency Range	3~6GHz
Output Power(CW)	49dBm min, 50dBm typ
Output Power(P1dB)	47dBm typ
Gain	50dB min, 52dB typ
Gain Flatness	±4.0dB typ, ±5.0dB max
Gain Variation@-30℃~+65℃	±3.0dB typ
Input VSWR	1.5:1 typ
Max Input Power	+5dBm
Harmonic	-20dBc typ, -15dBc max
IMD3, 2-Tone@43dBm/Tone	-20dBc (1MHz spacing)
Spurious	-60dBc max
Isolation	-45dB typ
Operating Voltage	+36V typ, +36.5V max
Operating Current	2A typ, 16A max

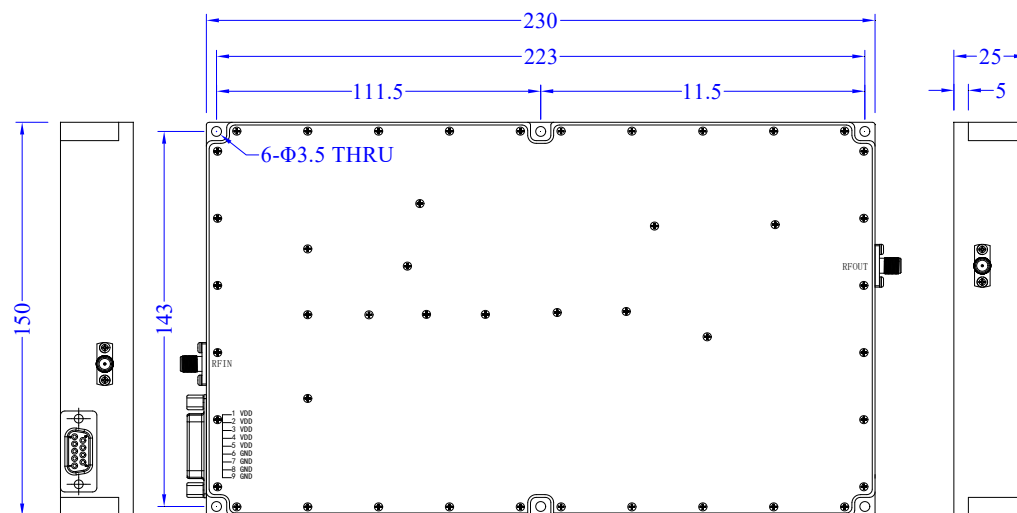
► Mechanical Data

Dimensions	230×150×25mm
Input Connector	SMA-Female
Output Connector	SMA-Female
DC Power/Interface Connector	9-Pin D-Sub

► Environmental Data

Operating Temperature	-30℃~+60℃
Storage Temperature	-50℃~+105℃

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



Notes:

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

DRAWN: L. Ma 11/08/23		
ENGINEER: J. Zhu 11/08/23		
APPROVED: C. Chen 11/08/23		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

TITLE:

Power Amplifier, 3-6GHz,
Gain 52dB, Output Power
50dBm, +36V, SMA-
Female

PART No.:

TMPA-03000600-5250



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DIMENSIONS IN MILLIMETERS(mm)

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