

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2023/5/7	C. Chen

TECHNICAL DATA

► Electrical Data(50Ω, 25°C)

Frequency Range	0.01~10GHz
Output Power(CW)	30dBm min, 31dBm typ
Output Power(P1dB)	26dBm typ
Gain	30dB min, 33dB typ
Gain Flatness	±2.0dB typ, ±2.5dB max
Input VSWR	2.0:1 typ
Max Input Power	+5dBm
Harmonic@Pout=30dBm	-20dBc typ, -15dBc max
Spurious	-60dBc max
Isolation	-45dB typ
Operating Voltage	+15V typ, +16V max
Operating Current	0.6A typ, 0.8A max

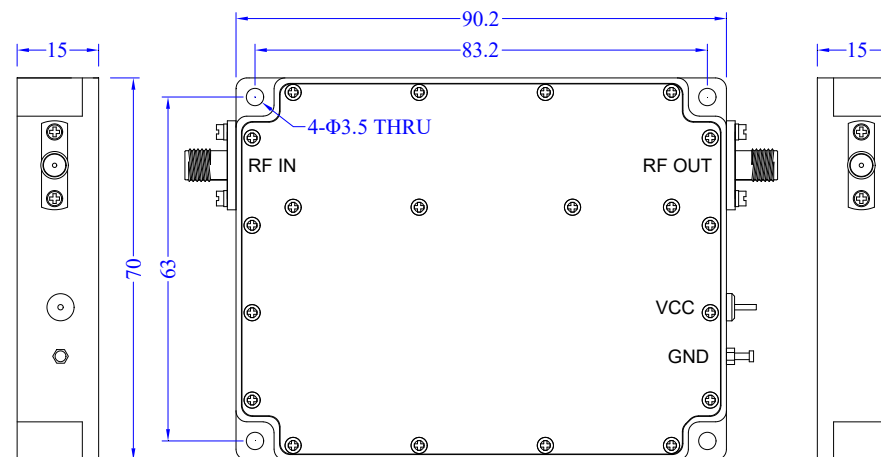
► Mechanical Data

Dimensions	90.2×70×15mm
Input Connector	SMA-Female
Output Connector	SMA-Female
DC Power/Interface Connector	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(optional)



Notes:

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

DRAWN: L. Ma 07/05/23		
ENGINEER: J. Zhu 07/05/23		
APPROVED: C. Chen 07/05/23		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

TITLE:

Power Amplifier, 0.01-10GHz, Gain 33dB, Output Power 31dBm, +15V, SMA-Female

PART No.:

TMPA-00011000-3331



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DIMENSIONS IN MILLIMETERS(mm)

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