

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/9/21	C. Chen

TECHNICAL DATA

► Specifications(case temperature 25°C@24V)

Frequency Range	18-40GHz
Output Power	40dBm typ
Small Signal Gain	40±3.0dB max
Gain Flatness	±3.0dB typ
VSWR Input	1.4 min, 2.0 max
DC Voltage	+20V typ
RF Connectors	2.92mm-Female
Operating Temperature	-45°C~+70°C
Storage Temperature	-55°C~+125°C

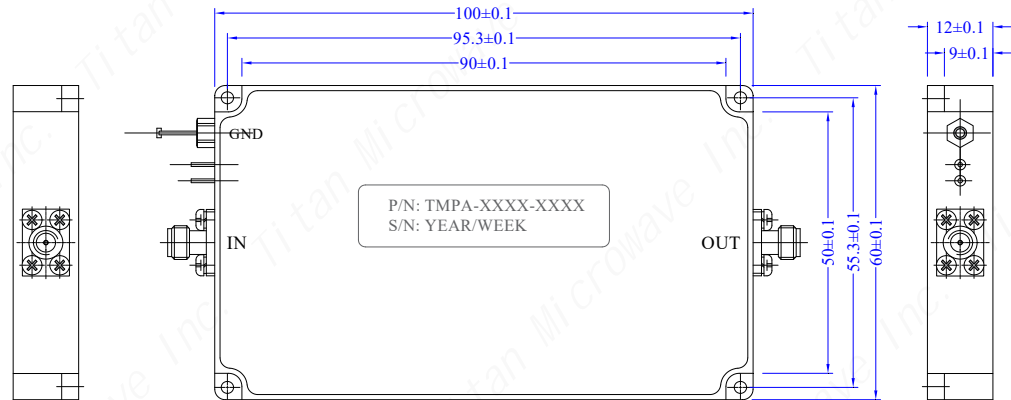
► Measurements Conditions

Temperature (DUT ON)	25°C±1°C
Humidity	44%±10%
DUT Warm up time	30 min
DUT Miminum operation time	24 hours
Test equipment warm up time	2 hours
Additional temperature cycles in climatic chamber (DUT OFF)	-40°C~+85°C

► Absolute Maximum Ratings

DC Voltage	+24Vdc
Maximum Input Power(CW)	+15dBm
Operating Temp.(at case)	-40°C~70°C
Storage Temperature	-55°C~+125°C

! Stress above these ratings may cause permanent damage to the device



PIN Identifier	Specifications
IN	Signal Input
OUT	Power Output
GND	Ground
Vcc	DC Supply +20V
EN	Enable(can be use for pulse modulation)

DRAWN: L. Ma 21/09/22		
ENGINEER: J. Zhu 21/09/22		
APPROVED: C. Chen 21/09/22		
TOLERANCE UNLESS OTHERWISE SPECIFIED		
x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

TITLE:

Power Amplifier, 18-40GHz, Gain 40dB, Output Power 40dBm, +20V, 2.92mm-Female

PART No.:

TMPA-18004000-4040



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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