REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/3/20	C. Chen

TECHNICAL DATA

▶ Specifications(case temperature 25℃@32V)

Frequency Range	6-7.5GHz
Output Power	43dBm typ
Small Signal Gain	39±1.5dB max
Gain Flatness	±1.5dB typ
VSWR Input	1.4 min, 1.9 max
DC Voltage	+28V
Power Added Efficiency	28%
RF Connectors	SMA-Female
Operating Temperature	-45℃~+85℃
Storage Temperature	-55℃~+125℃

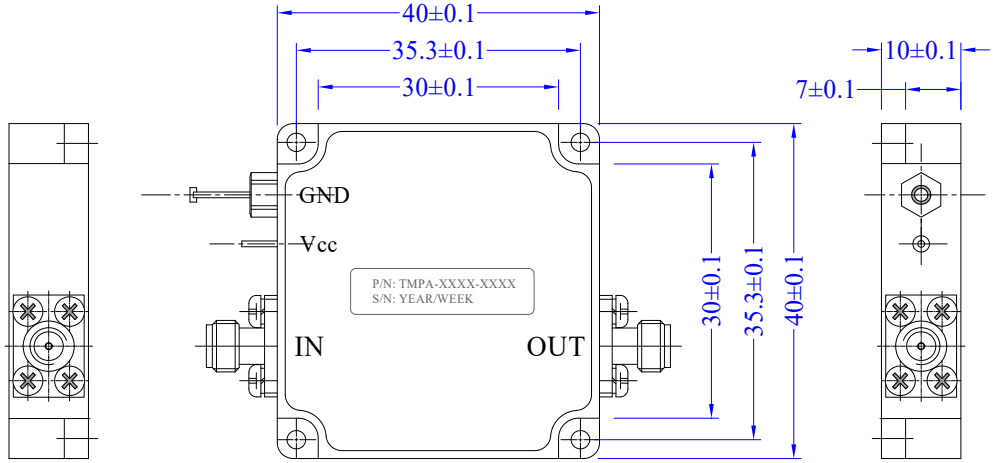
▶ Measurements Conditions

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

▶ Absolute Maximum Ratings

DC Voltage	+35Vdc
Maximum Input Power(CW)	+15dBm
Operating Temp.(at case)	-40℃~70℃
Storage Temperature	-55℃~+125℃

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



PIN Indentifier	Specifications
IN	Signal Input
OUT	Power Output
GND	Ground
Vcc	DC Supply +28V
EN	Enable(can be use for pulse modulation)

Notes:

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

DRAWN: L. Ma 20/03/22

ENGINEER: J. Zhu 20/03/22

APPROVED: C. Chen 20/03/22

TOLERANCE UNLESS OTHERWISE SPECIFIED

x	±0.50	[0.019"]
.x	±0.20	[0.008"]
.xx	±0.10	[0.004"]
ANGLES	±1°	

TITLE: Power Amplifier, 6-7.5GHz, Gain 39dB, Output Power 43dBm, +28V, SMA-Female

PART No.: TMPA-06000750-3943

成都巨人微波 TITAN MICROWAVE INC.
- A Professional RF & Microwave Components Supplier -
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DIMENSIONS IN MILLIMETERS(mm)

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