

REV	DESCRIPTION OF REVISION	By	DATE	APPROVED
A	INITIAL RELEASE	C. Cai	2022/6/15	C. Chen

TECHNICAL DATA

Electrical Data

Pin Diode Switch Type	Absorptive SP8T Switch
Frequency Range	0.35~40GHz
Isolation	≥65dB
Insertion Loss	≤8.5dB
VSWR	≤3.0
Impedance	50 Ohms
RF Input Power	+23dBm
Switching Speed	≤200ns
Control	TTL=0~0.8V/3.3~5V
DC Power Supply	+5V/≤400mA

Mechanical Data

Dimensions	Φ36×12mm
Input/Output Connectors	2.92mm-Female
Control Connectors	Φ0.8mm Glass Bead
Material	Aluminum
Surface Finish	Natural Color

Environmental Data

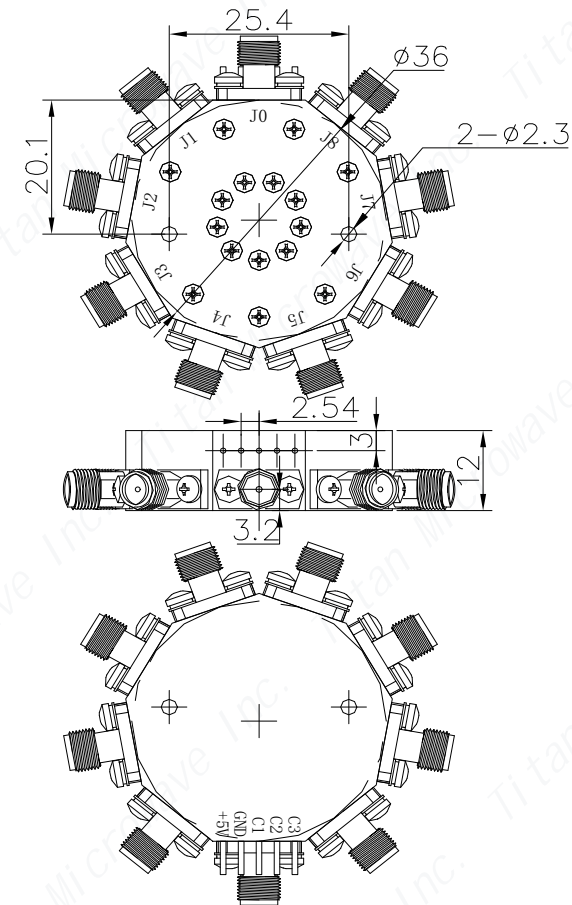
Operating Temperature	-40℃~+70℃
Storage Temperature	-55℃~+85℃


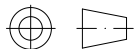
Truth Table

C3	C2	C1	Signal Path State
0	0	0	J0→J1
0	0	1	J0→J2
0	1	0	J0→J3
0	1	1	J0→J4
1	0	0	J0→J5
1	0	1	J0→J6
1	1	0	J0→J7
1	1	1	J0→J8

Notes:

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



DRAWN: L. Ma 15/06/22	TITLE: Pin Diode Switch, SP8T, 0.35~40GHz, Absorptive, +5V, 2.92mm-Female	 成都巨人微波 TITAN MICROWAVE INC. - A Professional RF & Microwave Components Supplier -		www.titan-microwave.com	
ENGINEER: J. Zhu 15/06/22					
APPROVED: C. Chen 15/06/22		 DIMENSIONS IN MILLIMETERS(mm)			
TOLERANCE UNLESS OTHERWISE SPECIFIED	PART No.: TMPS8-00354000-S	SIZE:	SCALE:	SHEET:	REV:
x ±0.50 [0.019"] .x ±0.20 [0.008"] .xx ±0.10 [0.004"] ANGLES ±1°		A4		1/1	A