

DESCRIPTION

THE MODEL P8T-24G43G-50-T-5-5-292FF IS A HIGH SPEED, SINGLE POLE, EIGHT THROW, ABSORPTIVE SWITCH CAPABLE OF SWITCHING WITHIN 100ns. THE FREQUENCY RANGE IS 24 TO 43 GHz AND THIS SWITCH HAS OVER 50dB OF ISOLATION.

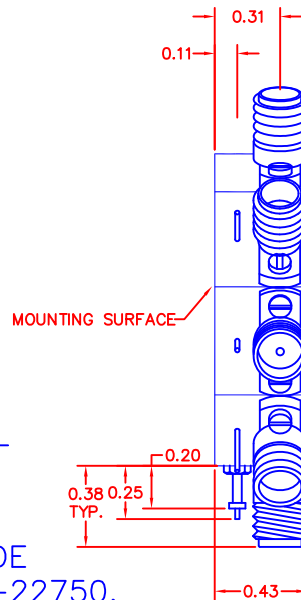
SPECIFICATIONS

- FREQUENCY RANGE: 24 TO 43 GHz
- ISOLATION 50dB MIN
- INSERTION LOSS 7.5dB MAX
- RETURN LOSS IN/OUT 10dB MIN
- OPERATING INPUT POWER +23dBm CW
- SWITCHING SPEED 100ns MAX
- DC VOLTAGE AND CURRENT +5VDC/100mA MAX
-5VDC/50mA MAX
- CONTROL SIGNAL 3 LINE DECODED TTL
See Table 1
- CONNECTORS 2.92mm(F)
- FINISH BLUE EPOXY POLIMIDE COATING IAW MIL-C-22750, TYPE I OVER EPOXY POLIMIDE PRIMER IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.

ENVIRONMENTAL RATINGS

- TEMPERATURE: -54°C TO +95°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION



REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	7/9/22	

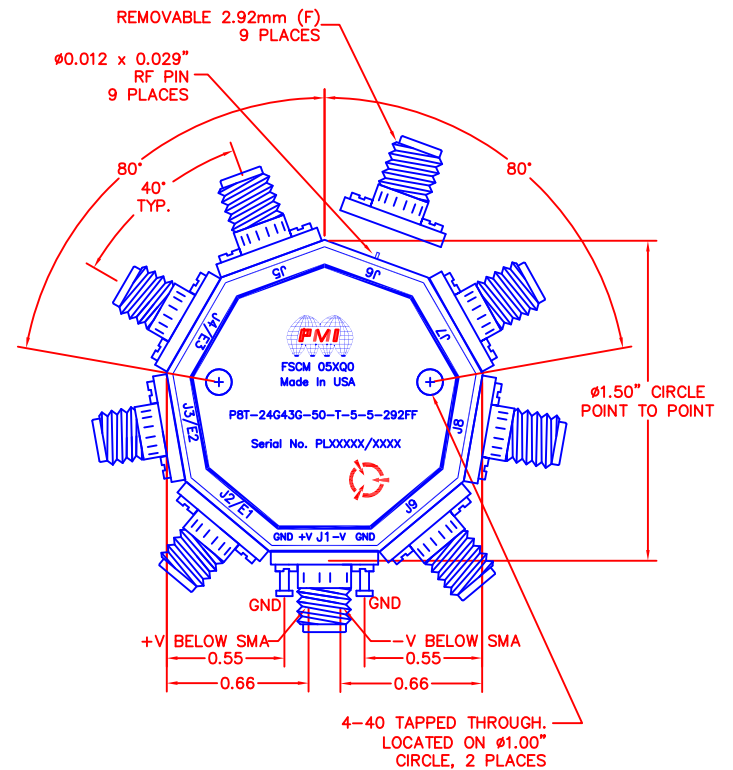


Table 1

E1	E2	E3	FUNCTION
0	0	0	J1-J2
0	0	1	J1-J3
0	1	0	J1-J4
0	1	1	J1-J5
1	0	0	J1-J6
1	0	1	J1-J7
1	1	0	J1-J8
1	1	1	J1-J9

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE			
DRAWN <i>JPH</i>		7/9/22	PRODUCT FEATURE			
CHECKED			P8T-24G43G-50-T-5-5-292FF			
ISSUED			24 TO 43 GHz HIGH SPEED SWITCH 8 THROW			
SIZE	FSCM NO.	DWG NO.	REV.			
A	05XQ0	PRELIMINARY	-			
SCALE N:S			SHEET 1 OF 1			