

DESCRIPTION

THE MODEL P8T-500M40G-60-T-55-292FF-OPT0R218 IS A HIGH SPEED, SINGLE POLE, EIGHT THROW, ABSORPTIVE SWITCH CAPABLE OF SWITCHING WITHIN 100ns. THE FREQUENCY RANGE IS 0.2 TO 18.0 GHz AND THIS SWITCH HAS OVER 70dB OF ISOLATION.

SPECIFICATIONS

- FREQUENCY RANGE: 0.2 TO 18.0 GHz
- ISOLATION: 70dB MIN
- INSERTION LOSS: 5dB MAX
- VSWR IN/OUT: 2.0:1 TYP
- OPERATING INPUT POWER: +23dBm CW
- SWITCHING SPEED: 100 nSEC MAX
- DC VOLTAGE AND CURRENT: +5VDC @ 70mA
-5VDC @ 20mA
- CONTROL SIGNAL: 3 LINE DECODED TTL
See Table 1
- CONNECTORS: SMA(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.

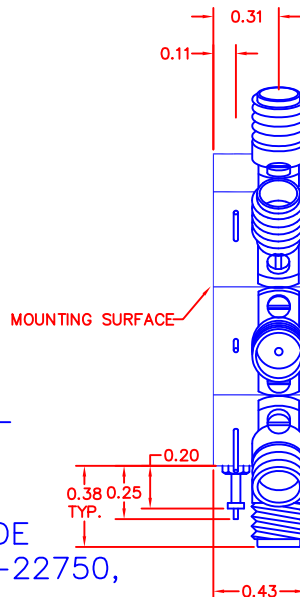
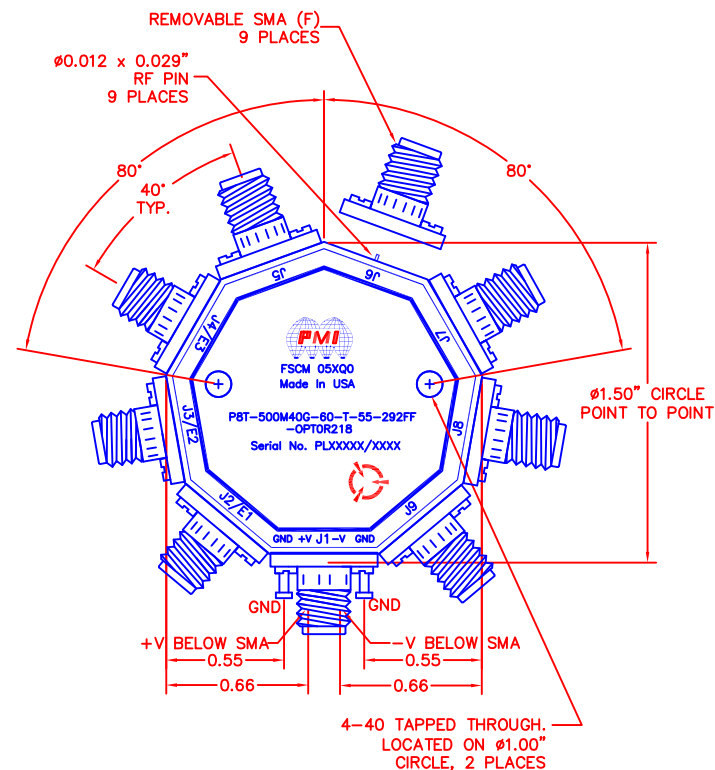


Table 1

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

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	-	PRELIMINARY	2/28/20



PMI CONFIDENTIAL AND PROPRIETARY

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

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APPROVALS		DATE		TITLE			
DRAWN		6/12/13		PRODUCT FEATURE			
REDRAWN		2/28/20		P8T-500M40G-60-T-55-292FF-OPT0R218			
ISSUED				0.2 TO 18.0 GHz HIGH SPEED SWITCH 8 THROW			
				REV. -			
				PRELIMINARY			
				SHEET 1 OF 1			