

DESCRIPTION

THE MODEL P8T-500M40G-50-T-55-SFF IS A HIGH SPEED, SINGLE POLE, EIGHT THROW, ABSORPTIVE SWITCH CAPABLE OF SWITCHING WITHIN 50ns. THE FREQUENCY RANGE IS 0.5 TO 40.0 GHz AND THIS SWITCH HAS OVER 50dB OF ISOLATION.

SPECIFICATIONS

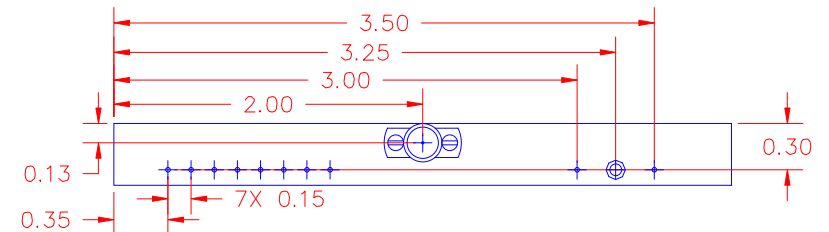
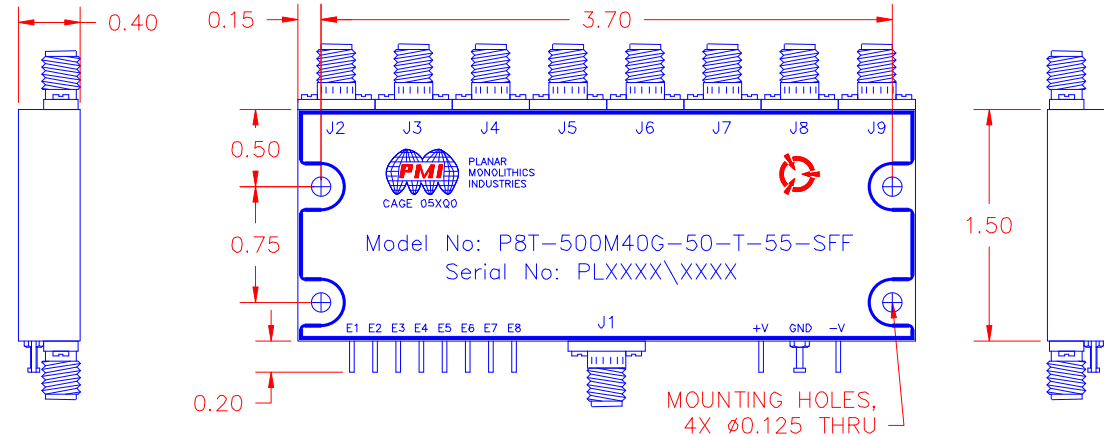
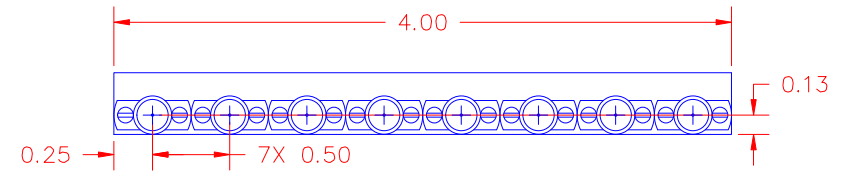
- FREQUENCY RANGE:..... 0.5 TO 40.0 GHz
- ISOLATION..... 50dB MIN
- INSERTION LOSS..... 10dB MAX
- VSWR IN/OUT..... 3.0:1 TYP.
- OPERATING INPUT POWER..... +20dBm CW
- SWITCHING SPEED..... 50 nSEC TYP.
- DC VOLTAGE AND CURRENT..... +5VDC @ 70mA
-5VDC @ 20mA
- CONTROL SIGNAL..... EIGHT LINE TTL
 - E1 CONTROLS J1-J2
 - E2 CONTROLS J1-J3
 - E3 CONTROLS J1-J4
 - E4 CONTROLS J1-J5
 - E5 CONTROLS J1-J6
 - E6 CONTROLS J1-J7
 - E7 CONTROLS J1-J8
 - E8 CONTROLS J1-J9
 - "0" ISOLATION
 - "1" INSERTION LOSS
- CONNECTORS..... 2.92mm (F)
- FINISH..... GOLD PLATED
- SIZE..... 4.0" X 1.5" X 0.4"

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
	A1	ORIGINAL RELEASE	5/18/11	
	A2	ECN # 13-0062	6/14/13	
	A3	SMA TO 2.92mm (Note Update)	3/2/17	



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE			
DRAWN <i>F. PALACIO</i>		5/18/11	PRODUCT FEATURE P8T-500M40G-50-T-55-SFF			
CHECKED			0.5 TO 40.0 GHz HIGH SPEED SWITCH 8 THROW			
ISSUED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27014821	REV. A3
			SCALE N:S	SHEET 1 OF 1		

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
XX ±0.020
XXX ±0.010
WEIGHT: 2.75 oz.