

DESCRIPTION

PMI MODEL: P2T-1290M1710M-80-R-SFF IS A HIGH SPEED REFLECTIVE SINGLE POLE TWO THROW SWITCH CAPABLE OF SWITCHING WITHIN 5 μ s. THIS SWITCH OPERATES OVER THE 1290 MHz TO 1710 MHz RANGE WITH A MINIMUM ISOLATION OF 80 dB.

SPECIFICATIONS

- FREQUENCY RANGE: ----- 1290 TO 1710 MHz
- POWER HANDLING: ----- 120 W CW, ALL VSWR CONDITIONS
- VSWR: ----- 1.4:1 TYPICAL
1.5:1 MAXIMUM
- IMPEDANCE: ----- 50 Ω
- INSERTION LOSS: ----- 0.5 dB TYPICAL
- ISOLATION: ----- 80 dB MINIMUM
- SWITCHING SPEED: ----- 5 μ s, 50% TTL TO 10% OR 90% RF
- SPURIOUS NOISE: ----- -73 dBm MAXIMUM (OUT-OF-BAND)
- CONTROL SIGNAL: ----- TTL
- CONNECTORS: ----- SMA FEMALE
- SIZE: ----- 1.80" x 1.00" x 0.50"
45.72 mm x 25.40 mm x 12.70 mm
- 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.

LOGIC CONTROL TABLE

	J0 - J2	J0-J1
TTL LO	I.L.	ISOL.
TTL HI	ISOL.	I.L.

ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -20 °C TO +80 °C (OPERATING)
-55 °C TO +85 °C (STORAGE)
- HUMIDITY: ----- UP TO 90%, NON-CONDENSING
- SHOCK: ----- MIL-STD-202, METHOD 213B COND. B
- VIBRATION: ----- MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: ----- MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: ----- MIL-STD-202, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

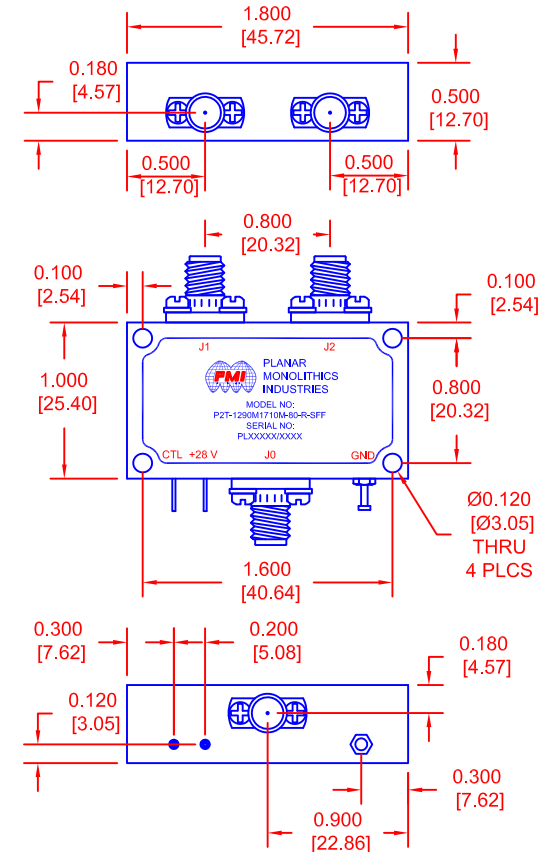
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

ALL DIMENSIONS
ARE IN INCHES (mm)
TOLERANCES:
X.XX \pm 0.020
X.XXX \pm 0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	02/26/16	

MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>M. Berry</i>		02/26/16	PRODUCT FEATURE P2T-1290M1710M-80-R-SFF		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
ISSUED			SCALE N:S		SHEET 1 OF 1