

DESCRIPTION

PMI MODEL PDC-800M2D5G-10C-SFF-50W IS A 800 MHz TO 2.5 GHz DIRECTIONAL COUPLER HAVING A 10 dB COUPLING FACTOR AND >20 dB DIRECTIVITY. THIS MODEL HANDLES AN INPUT POWER OF 50 WATTS.

SPECIFICATIONS

- FREQUENCY RANGE: 0.8 TO 2.5 GHz
- INSERTION LOSS: ≤ 0.5 dB (EXCLUDING COUPLED POWER)
- VSWR: $\leq 1.20:1$
- DIRECTIVITY: 20 dB MINIMUM
- COUPLING: 10 ± 1.0 dB
- FREQUENCY SENSITIVITY: $\leq \pm 0.7$ dB
- POWER HANDLING: AVERAGE ≤ 50 W
PEAK ≤ 1 KW
- IMPEDANCE: 50 Ω
- CONNECTORS: SMA FEMALE (X3)
- FINISH: PAINTED BLUE

ENVIRONMENTAL RATINGS

- TEMPERATURE: -55 °C TO +85 °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

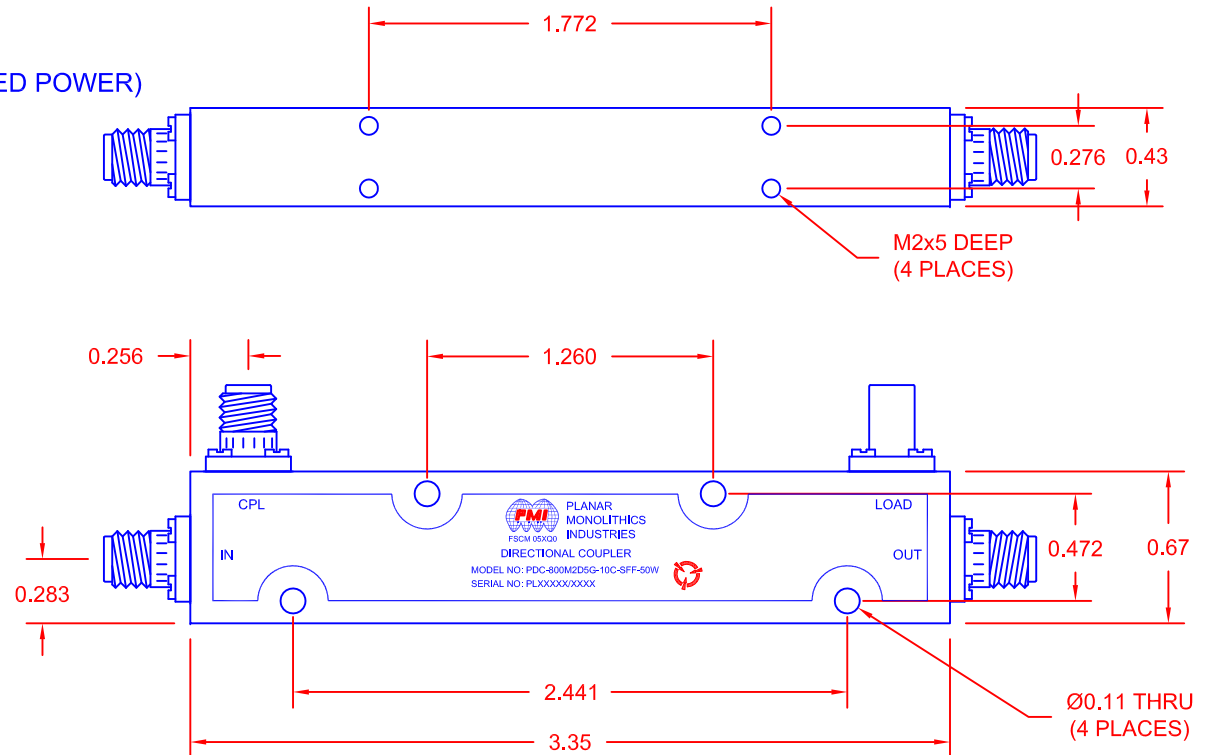
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	05/15/15	

MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>M. Berry</i>		05/15/15	PRODUCT FEATURE PDC-800M2D5G-10C-SFF-50W			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	27025741	A1
ISSUED			SCALE	N:S		SHEET 1 OF 1