

DESCRIPTION

PMI MODEL PDC-2G8G-10C-SFF-50W IS A 2.0 TO 8.0 GHz DIRECTIONAL COUPLER HAVING A 10 dB COUPLING FACTOR AND 20 dB MINIMUM DIRECTIVITY. THIS MODEL HANDLES AN INPUT POWER OF 50 WATTS.

SPECIFICATIONS

- FREQUENCY RANGE: 2.0 TO 8.0 GHz
- INSERTION LOSS: 0.5 dB MAXIMUM (EXCLUDING COUPLING LOSS 0.46 dB)
- VSWR: 1.20:1 MAXIMUM
- DIRECTIVITY: 20 dB MINIMUM
- COUPLING: 10 dB MAXIMUM ± 0.5 dB
- COUPLING SENSITIVITY: ± 0.7 dB MAXIMUM
- POWER HANDLING: AVERAGE: 50 W MAXIMUM
PEAK: 1 kW MAXIMUM
- 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

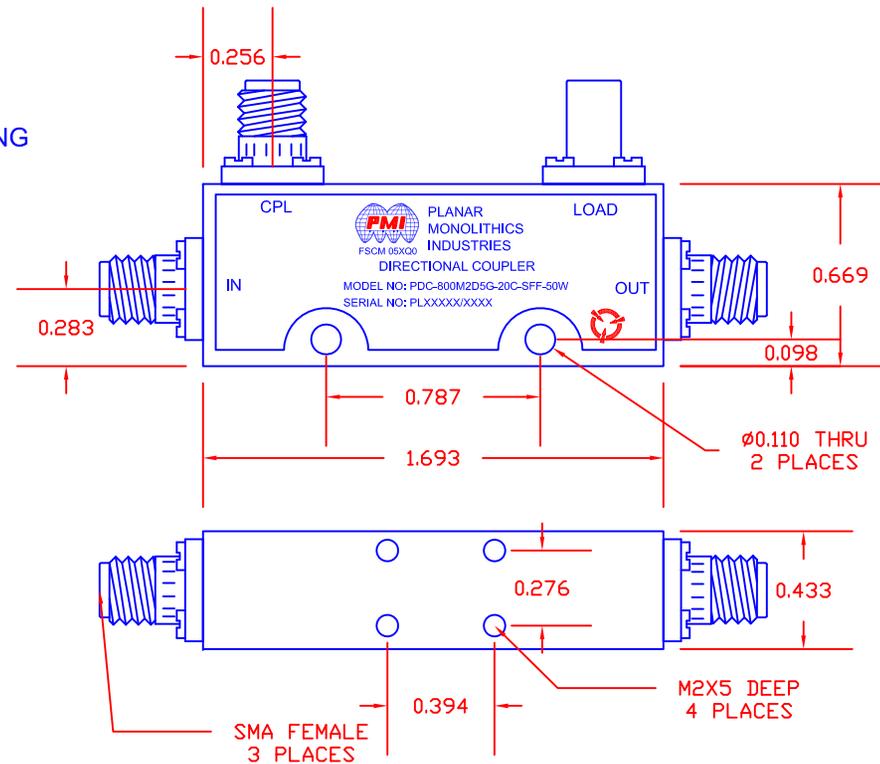
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	04/18/17	

MECHANICAL OUTLINE



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APPROVALS		DATE	TITLE			
DRAWN <i>E.M.F.</i>		04/18/17	PRODUCT FEATURE PDC-2G8G-10C-SFF-50W			
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. A1
ISSUED			SCALE N:S	SHEET 1 OF 1		