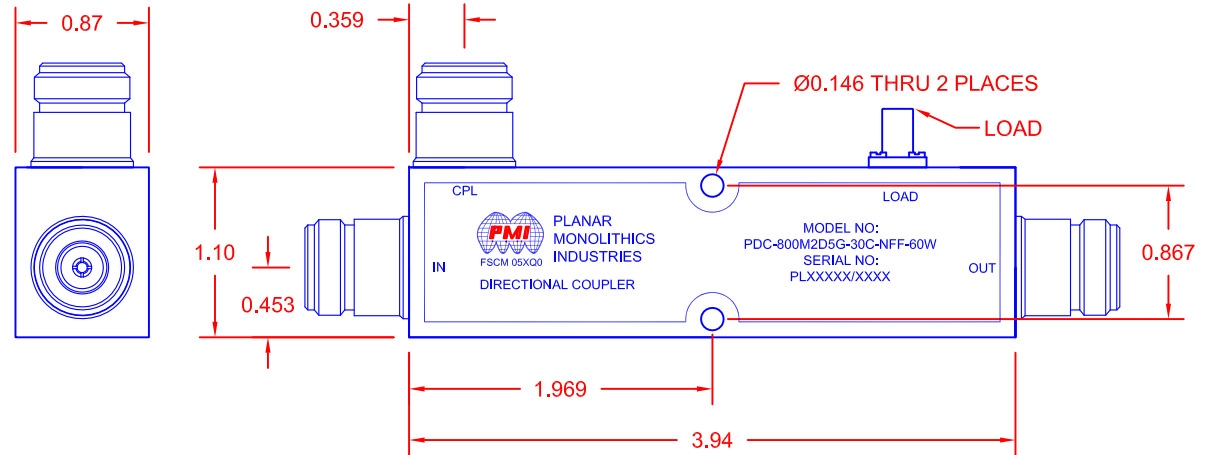


DESCRIPTION

PMI MODEL PDC-800M2D5G-30C-NFF-60W IS A 800 MHz TO 2.5 GHz DIRECTIONAL COUPLER HAVING A 30 dB COUPLING FACTOR AND >20 dB DIRECTIVITY. THIS MODEL HANDLES AN INPUT POWER OF 60 WATTS.

SPECIFICATIONS

- FREQUENCY RANGE: 0.8 TO 2.5 GHz
- INSERTION LOSS: ≤ 0.4 dB (EXCLUDING COUPLED POWER)
- VSWR: $\leq 1.25:1$
- DIRECTIVITY: 20 dB MINIMUM
- COUPLING: 30 ± 1.0 dB MAXIMUM
- FREQUENCY SENSITIVITY: $\leq \pm 0.7$ dB
- POWER HANDLING: AVERAGE ≤ 60 W
PEAK ≤ 1 kW
- IMPEDANCE: 50 Ω
- CONNECTORS: N-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

PLANAR MONOLITHICS INDUSTRIES, INC.
7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: (301)-662-5019, FAX: (301)-662-1731
WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>M. Berry</i>		05/15/15	PRODUCT FEATURE PDC-800M2D5G-30C-NFF-60W			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	27025841	A1
ISSUED			SCALE	SHEET		1 OF 1
			N:S			