

DESCRIPTION

PMI MODEL PDC-1G50G-10C-NFF IS A 1.0 TO 50.0 GHz DIRECTIONAL COUPLER HAVING A 10 dB \pm 1.2 dB MAXIMUM COUPLING FACTOR AND 8 dB MINIMUM DIRECTIVITY.

SPECIFICATIONS

- FREQUENCY RANGE: 1.0 TO 50.0 GHz
- INSERTION LOSS: 3.4 dB MAXIMUM (EXCLUDING COUPLING LOSS 0.46 dB)
- COUPLING FACTOR: 10 dB \pm 1.2 dB MAXIMUM
- DIRECTIVITY: 8 dB MINIMUM
- VSWR: PRIMARY: 1.7:1 MAXIMUM
SECONDARY: 1.9:1 MAXIMUM
- POWER HANDLING: INCIDENT: 20 W MAXIMUM
REFLECTED: 1 W MAXIMUM
- IMPEDANCE: 50 Ω
- CONNECTORS: 2.4mm (F)
- FINISH: PAINTED BLUE

ENVIRONMENTAL RATINGS

- TEMPERATURE: -55 °C TO +85 °C (OPERATING)
- HUMIDITY: UP TO 95%, NON-CONDENSING

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

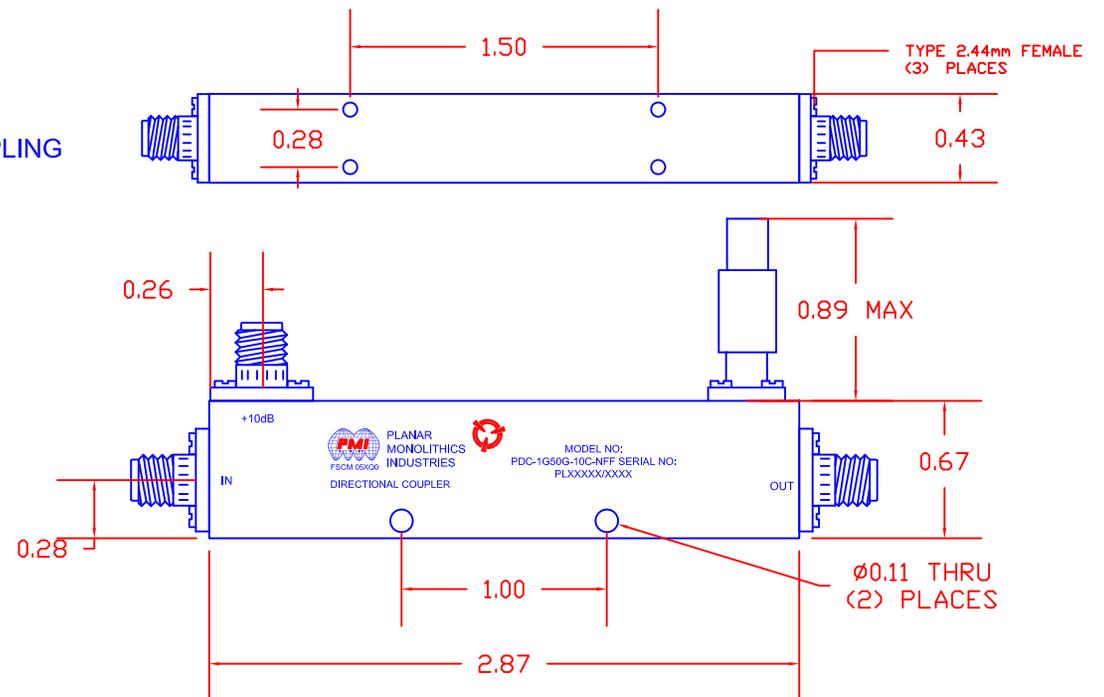
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	4/6/22	

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>AF</i>		4/6/22	PRODUCT FEATURE PDC-1G50G-10C-NFF		
CHECKED			SIZE	FSCM NO.	DWG NO.
ISSUED			A	05XQ0	PRELIMINARY
			SCALE	N:S	SHEET 1 OF 1