

DESCRIPTION

PMI MODEL PDC-300M500M-10C-NFF-40W IS A 300 MHz TO 500 MHz DIRECTIONAL COUPLER HAVING A 20 dB COUPLING FACTOR AND >20 dB DIRECTIVITY.

SPECIFICATIONS

- FREQUENCY RANGE: 300 TO 500 MHz
- INSERTION LOSS: 0.4 dB MAX (EXCLUDING COUPLED LOSS)
0.04 dB)
- VSWR: PRIMARY 1.20:1 MAX
SECONDARY 1.20:1
- DIRECTIVITY: 20 dB MINIMUM
- COUPLING: 10 ± 1 dB
- COUPLING SENSITIVITY: ± 1 dB
- POWER HANDLING: AVERAGE ≤ 40 W
PEAK ≤ 2 W
- IMPEDANCE: 50 Ω
- CONNECTORS: N-FEMALE (X3)
- FINISH: PAINTED BLUE

ENVIRONMENTAL RATINGS

- TEMPERATURE: -40°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

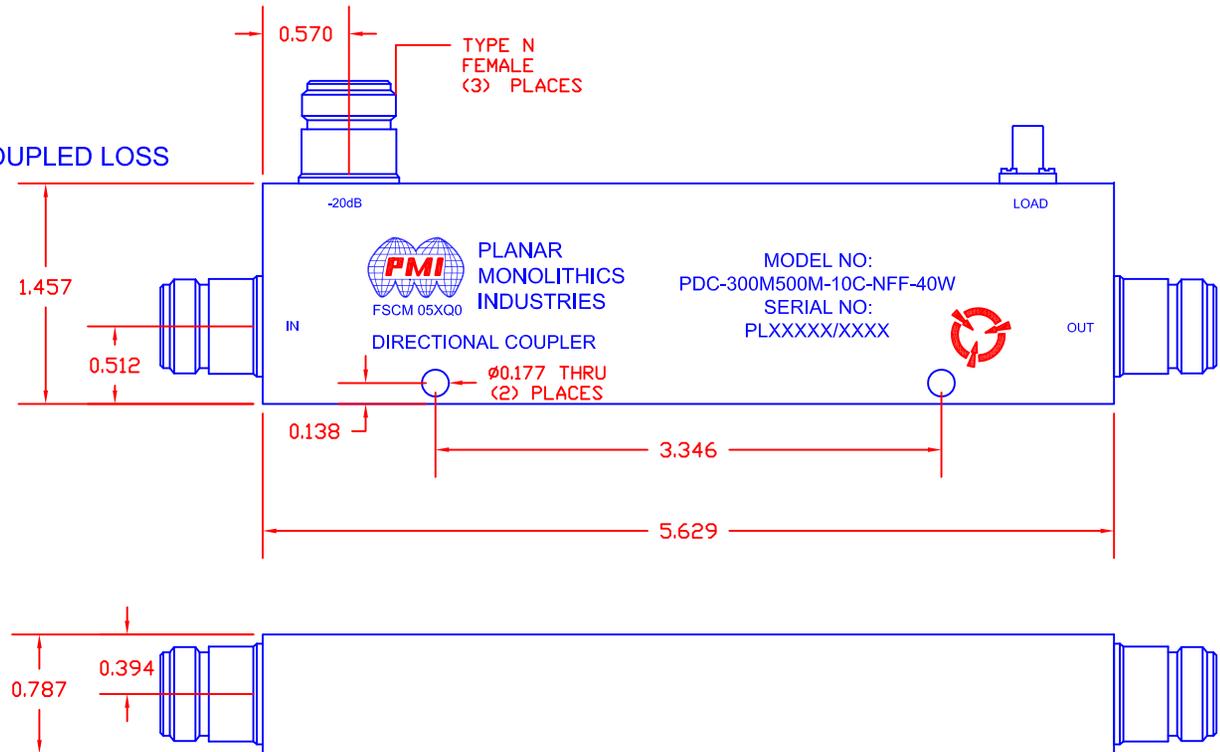
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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	10/19/23	

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>A.F.</i>		10/19/23	PRODUCT FEATURE PDC-300M500M-10C-NFF-40W			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	05XQ0	PRELIMINARY	-
SCALE N:S			SHEET 1 OF 1			