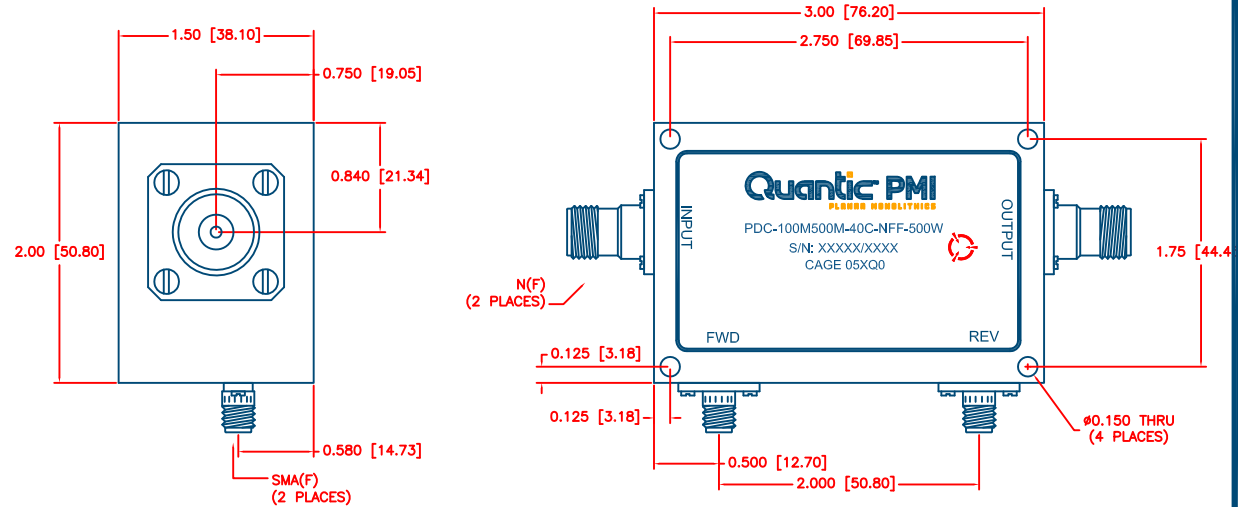


## DESCRIPTION

PMI MODEL PDC-100M500M-40C-NFF-500W IS A 100MHZ TO 500MHZ DIRECTIONAL COUPLER HAVING A 40DB COUPLING FACTOR AND > 20DB DIRECTIVITY. THIS MODEL HANDLES AN INPUT POWER OF 500 WATTS CW.

## SPECIFICATIONS

- FREQUENCY RANGE: 100 TO 500 MHz
- INSERTION LOSS: 0.20 dB MAXIMUM
- VSWR: 1.15:1 MAXIMUM
- DIRECTIVITY: 20dB MINIMUM
- COUPLING: 40 dB ±1 dB
- COUPLING FLATNESS: ±0.50 dB MAXIMUM
- POWER HANDLING: 500 WATTS MAXIMUM
- IMPEDANCE: 50Ω
- CONNECTORS: N(F) - RF INPUT & OUTPUT  
SMA(F) - FWD & REV
- FINISH: PAINTED BLUE



PMI CONFIDENTIAL AND PROPRIETARY

## ENVIRONMENTAL RATINGS:

- TEMPERATURE: -25°C TO +85°C (OPERATING)  
-55°C TO +150°C (STORAGE)

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	11/9/23	

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ISO 9001 CERTIFIED

**Quantic PMI**  
PLANNED MONOLITHICS

APPROVALS		DATE	TITLE		
DRAWN <i>MDL</i>		11/09/23	OUTLINE PDC-100M500M-40C-NFF-500W		
REDRAWN			SIZE A	FSCM NO. 05XQ0	DWG NO. 27047640
ISSUED			SCALE N:S		REV. A1
				SHEET	1 OF 1