

## DESCRIPTION

PMI MODEL PDC-17-100M50G-24FF IS A 0.1 to 50.0 GHz DIRECTIONAL COUPLER HAVING A 6 dB MINIMUM DIRECTIVITY.

## SPECIFICATIONS

- FREQUENCY RANGE: 0.1 TO 50.0 GHz
- INSERTION LOSS: 3.6 dB MAXIMUM (EXCLUDING COUPLING LOSS 0.11 dB)
- COUPLING FACTOR: -31 to -16 dB @ 0.1 to 1.5 GHz MAXIMUM  
17 +/- 2.2 dB @ 1.5 to 50.0 GHz MAXIMUM
- DIRECTIVITY: 6 dB MINIMUM
- VSWR: PRIMARY: 1.8:1 MAXIMUM  
SECONDARY: 1.9:1 MAXIMUM
- POWER HANDLING: INCIDENT: 10 W MAXIMUM  
REFLECTED: 1 W MAXIMUM
- IMPEDANCE: 50  $\Omega$
- 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

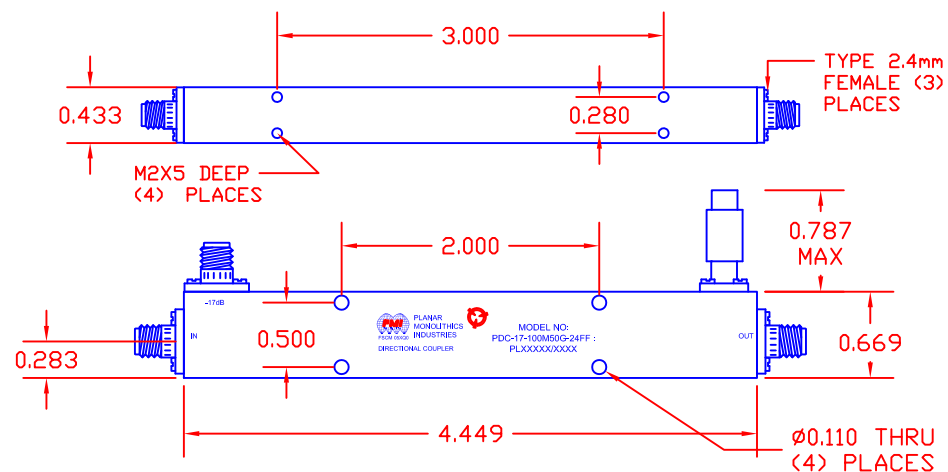
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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	9/20/22	

## MECHANICAL OUTLINE



## PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



		TITLE  PRODUCT FEATURE PDC-17-100M50G-24FF				
APPROVALS	DATE					
DRAWN <i>AF</i>	9/20/22					
CHECKED						
ISSUED		SIZE A	FSCM NO. 05XQ0	DWG NO.  PRELIMINARY	REV -	
		SCALE N:S		SHEET 1 OF 1		