

## DESCRIPTION

PMI MODEL PDC-1G500M4G-15-50W-SFF IS A DIRECTIONAL COUPLER THAT HAS AN OPERATING FREQUENCY OF 1.5 TO 4.0 GHz. THIS MODEL FEATURES LOW VSWR, HIGH DIRECTIVITY, BROADBAND AND COMPACT SIZE.

## SPECIFICATIONS

- FREQUENCY RANGE:--- 1.5 GHz TO 4.0 GHz
- INSERTION LOSS:----- 0.6 dB (Excl. Coupling loss 0.14 dB)
- COUPLING FACTOR:--- 15 dB  $\pm$ 1.0 dB
- COUPLING SENSITIVITY:-----  $\pm$ 0.7 dB MAX.
- DIRECTIVITY:----- 15 dB MIN.
- VSWR:----- PRIMARY 1.3:1 MAX  
SECONDARY 1.3:1 MAX
- POWER HANDLING:--- INCIDENT  $\leq$ 50WATT  
REFLECTED  $\leq$ 2 WATT
- IMPEDANCE:----- 50 $\Omega$
- CONNECTORS:----- SMA-FEMALE
- FINISH:----- PAINTED BLUE
- WEIGHT:----- 55g

## ENVIRONMENTAL RATINGS

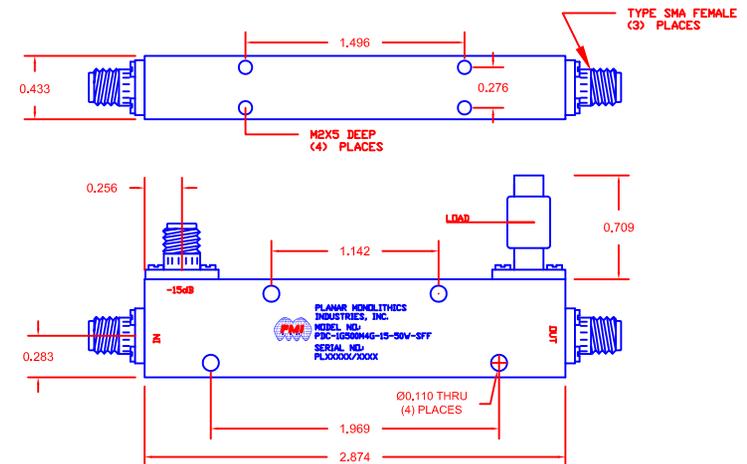
- TEMPERATURE: ----- -55 °C TO +85 °C (OPERATING)
- HUMIDITY: ----- UP TO 95%, NON-CONDENSING

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

**PMI CONFIDENTIAL AND PROPRIETARY**

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	9/29/22	

## MECHANICAL OUTLINE



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 ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			REV.
		9/29/22	OUTLINE DRAWING PDC-1G500M4G-15-50W-SFF			-
DRAWN	<i>AF</i>		SIZE	FSCM NO.	DWG NO.	
CHECKED			A	05XQ0		
ISSUED			SCALE	N/A	SHEET	1 OF 1