

## DESCRIPTION

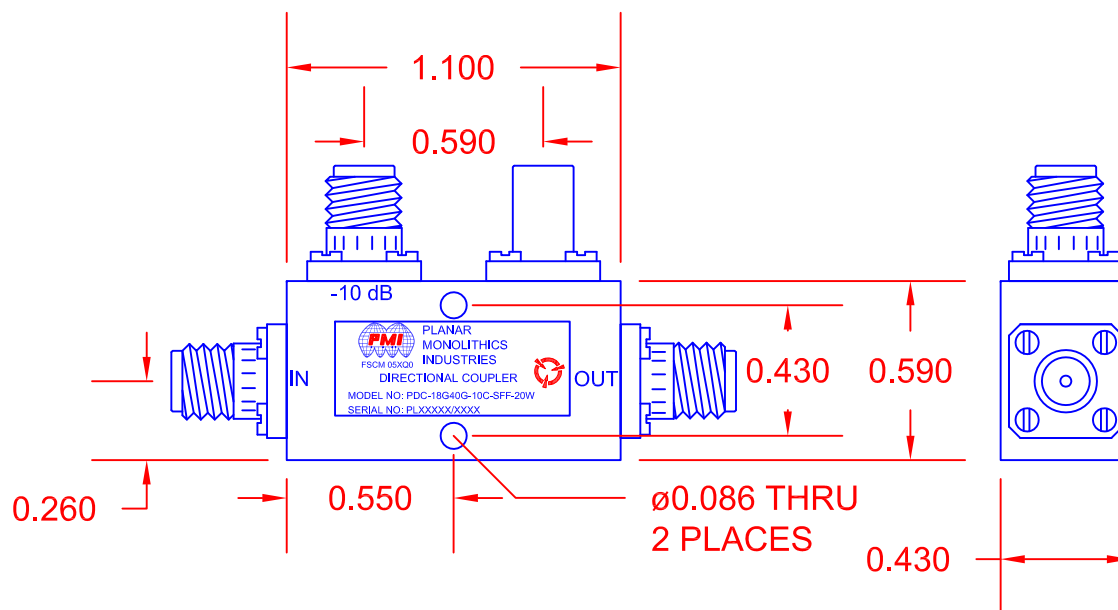
PMI MODEL NO. PDC-18G40G-10C-SFF-20W IS A DIRECTIONAL COUPLER OPERATING OVER THE FREQUENCY RANGE 18.0 TO 40.0 GHz.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	7/12/2018	

## MECHANICAL OUTLINE

## SPECIFICATIONS

- FREQUENCY RANGE: 18.0 TO 40.0 GHz
- COUPLING: 10 ± 1 dB TYPICAL
- FREQUENCY SENSITIVITY: ±1 dB MAXIMUM
- INSERTION LOSS: 1.75 dB MAXIMUM
- DIRECTIVITY: 10 dB MINIMUM
- VSWR: 1.7:1 MAXIMUM
- INPUT POWER: 20 WATTS MAXIMUM
- IMPEDANCE: 50 OHMS
- CONNECTORS: 2.92 mm FEMALE
- FINISH: PAINTED BLUE



## ENVIRONMENTAL RATINGS

- TEMPERATURE: -55 °C TO +85 °C (OPERATING)  
-65 °C TO +125 °C (STORAGE)
- HUMIDITY: MIL-STD-202, METHOD 103B COND. B
- SHOCK: MIL-STD-202, METHOD 213B COND. B
- VIBRATION: MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

ALL DIMENSIONS  
ARE IN INCHES [mm]  
TOLERANCES:  
X.XX ±0.020  
X.XXX ±0.010

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ISO 9001 CERTIFIED



		TITLE  PRODUCT FEATURE PDC-18G40G-10C-SFF-20W					
APPROVALS	DATE						
DRAWN <i>EW</i>	7/12/18						
REDRAWN		SIZE A	FSCM NO. 05XQ0	DWG NO.  PRELIMINARY	REV. -		
ISSUED		SCALE N:S		SHEET 1 OF 1			