

## DESCRIPTION

PMI MODEL APD-8-18G40G-292FF-20W IS AN 8-WAY POWER DIVIDER THAT OPERATES OVER THE FREQUENCY RANGE 18.0 TO 40.0 GHz.

## SPECIFICATIONS

- FREQUENCY RANGE: ----- 18.0 TO 40.0 GHz
- INSERTION LOSS: ----- 2.5 dB MAXIMUM (ABOVE 9.0 dB SPLIT)
- ISOLATION: ----- 18 dB TYPICAL, 15 dB MINIMUM
- VSWR INPUT: ----- 2.1:1 MAXIMUM
- VSWR OUTPUT: ----- 1.9:1 MAXIMUM
- PHASE BALANCE: -----  $\pm 10^\circ$  MAXIMUM
- AMPLITUDE BALANCE: -----  $\pm 0.5$  dB MAXIMUM
- FORWARD POWER: ----- 20 WATTS MAXIMUM
- REVERSE POWER: ----- 1 WATT MAXIMUM
- IMPEDANCE: ----- 50 OHMS
- CONNECTORS: ----- 2.92 mm FEMALE
- FINISH: ----- PAINTED BLUE

## ENVIRONMENTAL RATINGS

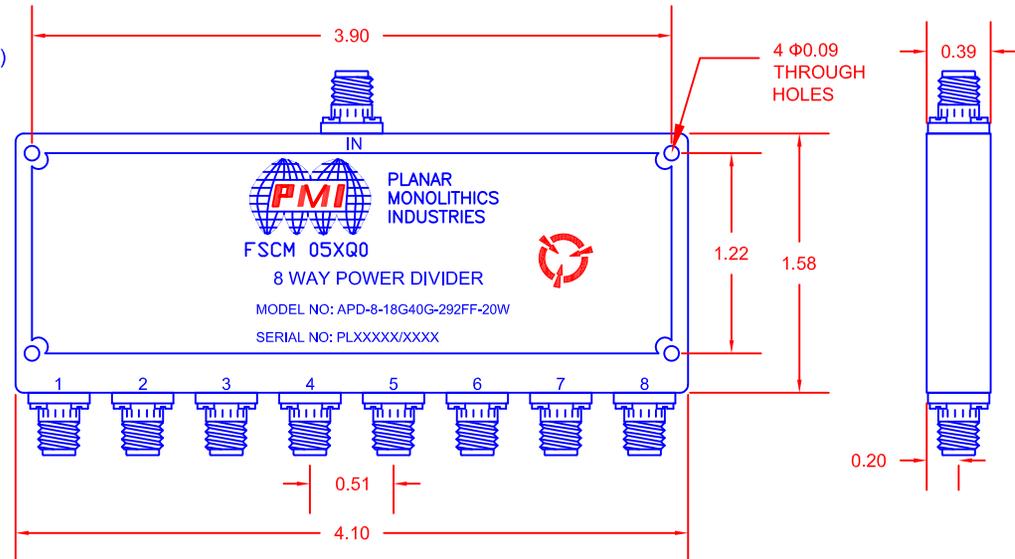
- TEMPERATURE: ----- -45 °C TO +85 °C (OPERATING)  
-65 °C TO +125 °C (STORAGE)
- HUMIDITY: ----- MIL-STD-202, METHOD 103B COND. B
- SHOCK: ----- MIL-STD-202, METHOD 213B COND. B
- VIBRATION: ----- MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: ----- MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: ----- 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**

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	6/28/2018	

## MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>EW</i>		6/28/18	PRODUCT FEATURE APD-8-18G40G-292FF-20W			
REDRAWN			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. -
ISSUED			SCALE N:S	SHEET 1 OF 1		