

DESCRIPTION

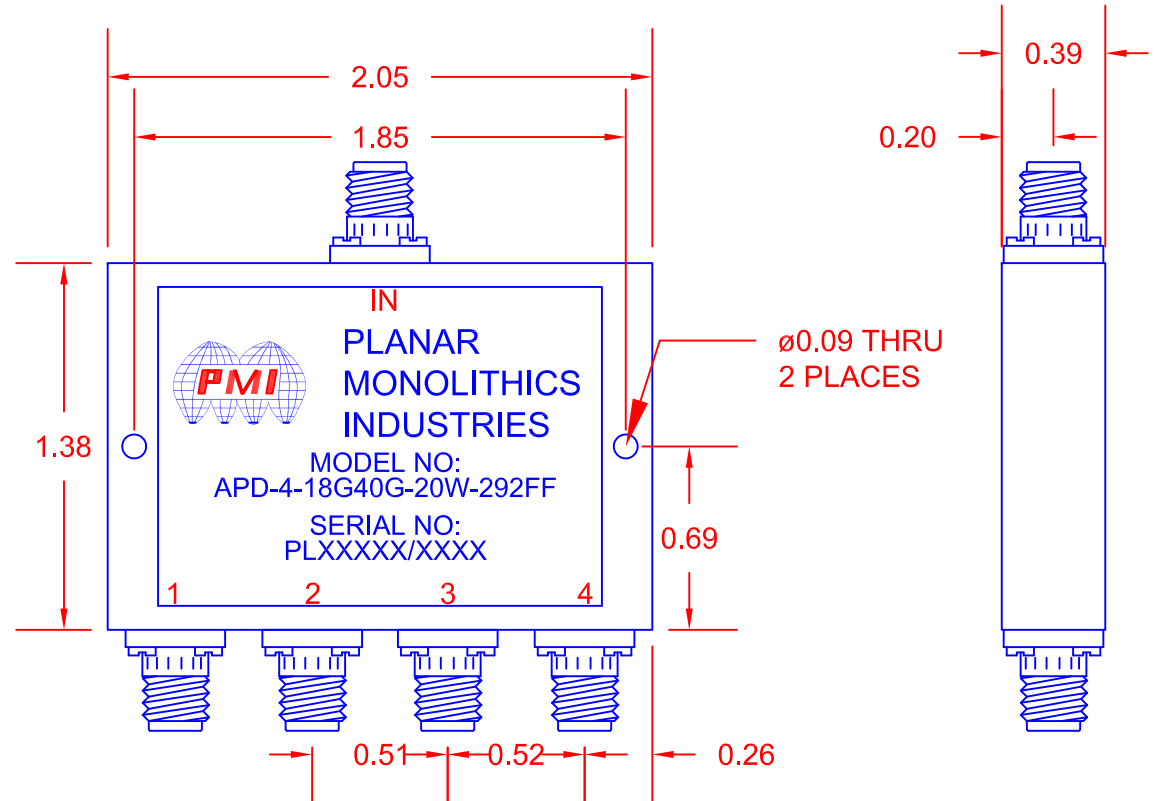
PMI MODEL NO. APD-4-18G40G-20W-292FF IS A 4-WAY POWER DIVIDER THAT OPERATES OVER THE FREQUENCY RANGE OF 18.0 TO 40.0 GHz. IT HAS A MAXIMUM INSERTION LOSS OF 2.4 dB AND A TYPICAL ISOLATION OF 18 dB. THIS MODEL IS OUTFITTED WITH 2.92 mm CONNECTORS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	10/31/2018	

SPECIFICATIONS

- FREQUENCY RANGE: ----- 18.0 TO 40.0 GHz
- INSERTION LOSS: ----- 2.4 dB MAX
- ISOLATION: ----- 15 dB MIN, 18 dB TYP
- VSWR INPUT: ----- 1.8:1 TYP, 2.0:1 MAX
- VSWR OUTPUT: ----- 1.6:1 MAX
- PHASE BALANCE: ----- $\pm 4^\circ$ TYP, $\pm 7^\circ$ MAX
- AMPLITUDE BALANCE: ----- ± 0.4 dB
- FORWARD POWER: ----- 20 WATTS MAX
- REVERSE POWER: ----- 0.5 WATTS MAX
- IMPEDANCE: ----- 50 OHMS
- CONNECTORS: ----- 2.92 mm FEMALE

MECHANICAL OUTLINE



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

PLANAR MONOLITHICS INDUSTRIES, INC.
7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: (301)-662-5019, FAX: (301)-662-1731
WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>EW</i>		10/31/18	PRODUCT FEATURE APD-4-18G40G-20W-292FF			
REDRAWN			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. -
ISSUED			SCALE N:S	SHEET 1 OF 1		