

DESCRIPTION

PMI MODEL: APD-2-812-292FF IS A TWO WAY POWER DIVIDER OPERATING OVER THE 8 TO 12 GHz FREQUENCY RANGE. THIS MODEL HAS A MAXIMUM INSERTION LOSS OF 1.4 dB AND HAS VERY GOOD PHASE AND AMPLITUDE MATCH. THE COMPACT 1.00" x 1.00" x 0.40" HOUSING IS OUTFITTED WITH 2.92 mm FEMALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: --- 8 TO 12 GHz
- INSERTION LOSS: ----- 1.4 dB MAXIMUM
- VSWR: ----- 1.8:1 MAXIMUM
- ISOLATION: ----- 20 dB TYPICAL
17 dB MINIMUM
- AMPLITUDE BALANCE: -- ± 0.15 dB TYPICAL
 ± 0.30 dB MAXIMUM
- PHASE BALANCE: ----- $\pm 1.0^\circ$ TYPICAL
 $\pm 2.5^\circ$ MAXIMUM
- REVERSE POWER HANDLING: ----- 1 WATT MINIMUM
- CONNECTORS: ----- 2.92 mm FEMALE REMOVABLE
- SIZE: ----- 25.4 mm x 25.4 mm x 10.16 mm
[1.00" x 1.00" x 0.40"]
EXCLUDING CONNECTORS
- FINISH: ----- PAINTED BLUE WITH HERMETIC
SEALING OPTION AVAILABLE

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

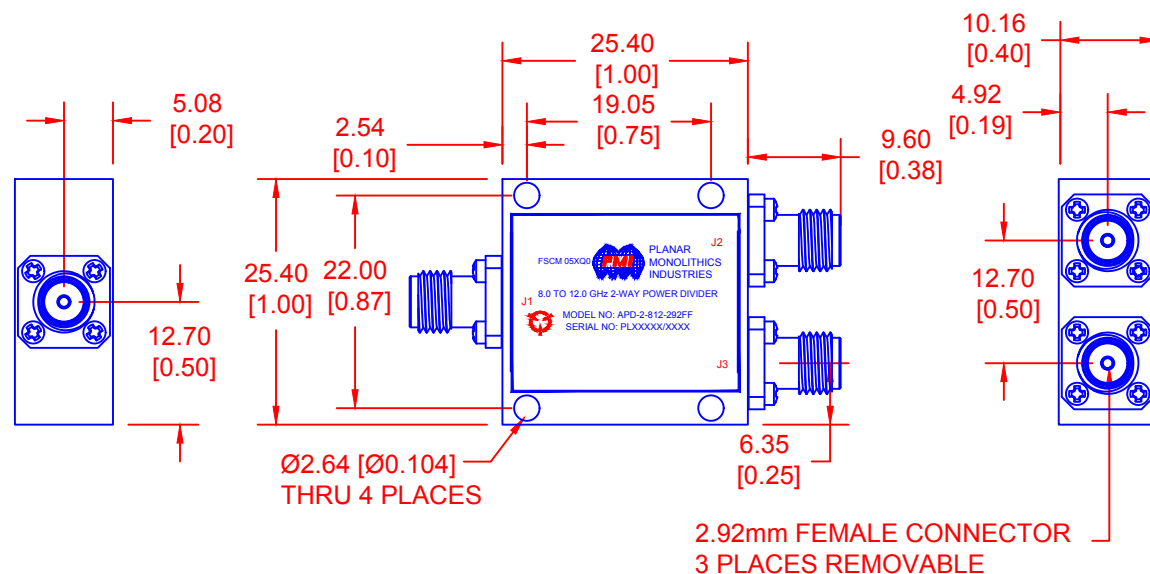
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	03/13/20	

MECHANICAL OUTLINE



ALL DIMENSIONS
ARE IN mm [INCH]
TOLERANCES:
X.XX ± 0.508 [0.020]
X.XXX ± 0.254 [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		REV.	
DRAWN <i>GF</i>		03/13/20		PRODUCT FEATURE APD-2-812-292FF 8 to 12 GHz TWO WAY POWER DIVIDER		A1	
CHECKED				SIZE A	FSCM NO. 05XQ0	DWG NO. 27038700	
ISSUED				SCALE N:S		SHEET 1 OF 1	