

DESCRIPTION

PMI MODEL: APD-2-1D523-FD IS A TWO WAY POWER DIVIDER OPERATING OVER THE 1.5 TO 23 GHz FREQUENCY RANGE. THIS MODEL HAS A MAXIMUM INSERTION LOSS OF 1.8 dB AND HAS VERY GOOD PHASE AND AMPLITUDE MATCH. THE COMPACT 1.58" x 1.00" x 0.40" HOUSING IS OUTFITTED WITH 2.92 mm FEMALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: --- 1.5 TO 23 GHz
- INSERTION LOSS: ----- 1.8 dB MAXIMUM
- VSWR: ----- 2.1:1 MAXIMUM
- ISOLATION: ----- 1.5 to 20GHz (16 Typ.)
20 to 23GHz (10 Typ.)
- AMPLITUDE BALANCE: - ±0.5 dB MAXIMUM
- PHASE BALANCE: ----- ±2.5° MAXIMUM
- AVERAGE POWER: ----- 25 WATTS (INTO 1.2:1 LOAD VSWR)
7.5 WATTS (INTO 2.0:1 LOAD VSWR)
0.75 WATTS (INTO ∞:1 LOAD VSWR)
- CONNECTORS: ----- 2.92 mm FEMALE REMOVABLE
- SIZE: ----- 40.1 mm x 25.4 mm x 10.2 mm
[1.58" x 1.00" x 0.40"]
EXCLUDING CONNECTORS
- 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

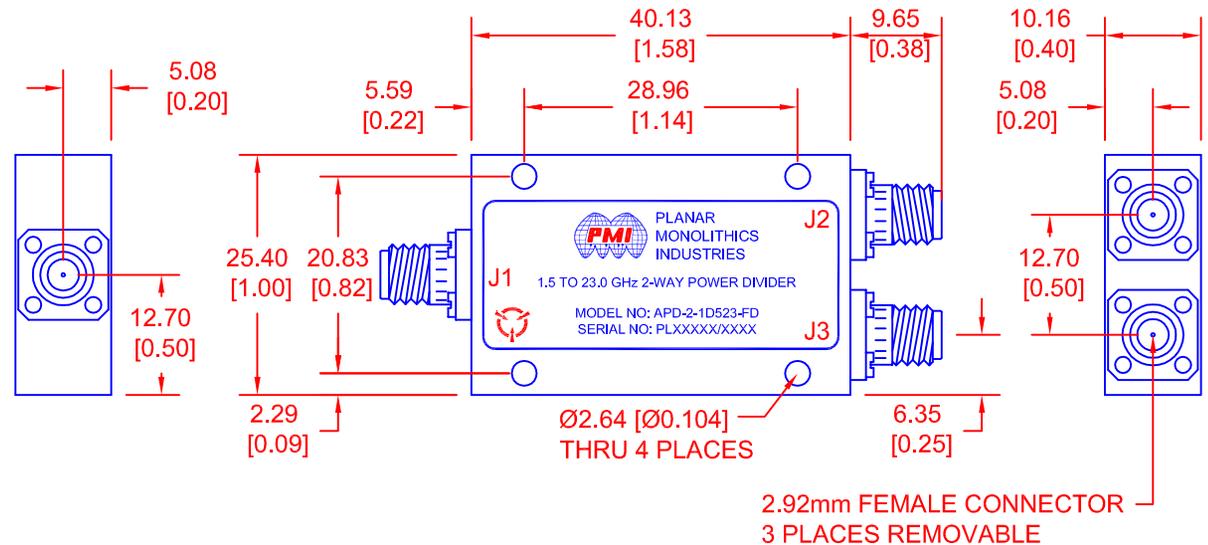
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	05/15/19	

MECHANICAL OUTLINE



ALL DIMENSIONS
ARE IN mm [INCH]
TOLERANCES:
X.XX ± 0.508 [0.020]
X.XXX ± 0.254 [0.010]

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>A. Lopez</i>		05/15/19	PRODUCT FEATURE APD-2-1D523-FD 1.5 to 23 GHz Two Way Power Divider			
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO.	REV. A1
ISSUED			PRELIMINARY			SHEET 1 OF 1