

DESCRIPTION

PMI MODEL: APD-2-50M500M-SFF IS A 2 WAY POWER DIVIDER/COMBINER OPERATING OVER THE 50 TO 500 MHz FREQUENCY RANGE. THIS COMPACT PACKAGE OFFERS 20 dB MINIMUM ISOLATION WHILE MAINTAINING A TYPICAL INSERTION LOSS OF 0.25 dB, A MAXIMUM PHASE BALANCE OF 2.0°, AND A MAXIMUM AMPLITUDE BALANCE OF 0.2 dB.

SPECIFICATIONS

- FREQUENCY RANGE: ----- 50 TO 500 MHz
- ISOLATION: ----- 0.25 dB TYPICAL
0.8 dB MAXIMUM
- PHASE BALANCE: ----- $\pm 2.0^\circ$ MAXIMUM
- AMPLITUDE BALANCE: ----- ± 0.2 dB MAXIMUM
- CONNECTORS: ----- SMA FEMALE
- SIZE: ----- 26.92 mm x 21.59 mm x 12.70 mm
1.06" x 0.85" x 0.50"
- FINISH: ----- BLUE EPOXY POLIMIDE COATING
IAW MIL-C-22750, TYPE I OVER
EPOXY POLIMIDE PRIMER IAW
MIL-P-23377, TYPE I, CLASS 1 OR 3.

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

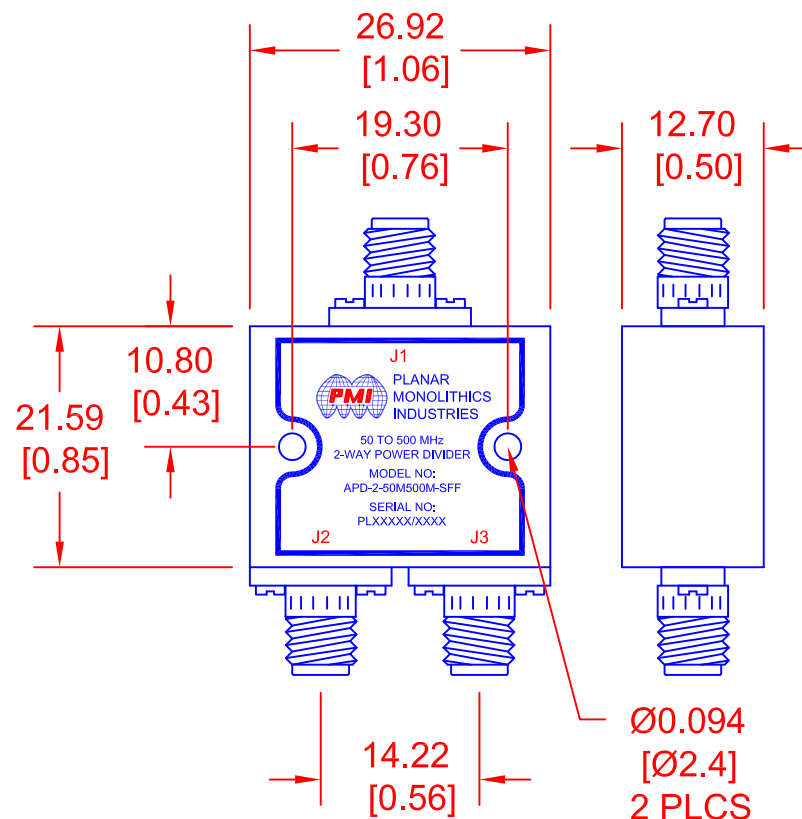
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	08/29/16	

MECHANICAL OUTLINE



PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN		M. Berry		08/29/16	
CHECKED					
ISSUED					
SIZE	A	FSCM NO.	05XQ0	DWG NO.	PRELIMINARY
SCALE	N:S			SHEET	1 OF 1