

## DESCRIPTION

PMI MODEL: APD-2-DC10G-SFF IS A 2 WAY POWER DIVIDER/COMBINER OPERATING OVER THE DC TO 10.0 GHz FREQUENCY RANGE. THIS COMPACT PACKAGE OFFERS 10 dB TYPICAL ISOLATION WHILE MAINTAINING A TYPICAL INSERTION LOSS OF 3.3 dB, AND A MAXIMUM AMPLITUDE BALANCE OF  $\pm 1.0$  dB MAXIMUM.

## SPECIFICATIONS

- FREQUENCY RANGE: ----- DC TO 10.0 GHz
- INSERTION LOSS: ----- 3.3 dB TYPICAL  
4.0 dB MAXIMUM
- ISOLATION: ----- 10 dB TYPICAL
- AMPLITUDE BALANCE: -----  $\pm 1.0$  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

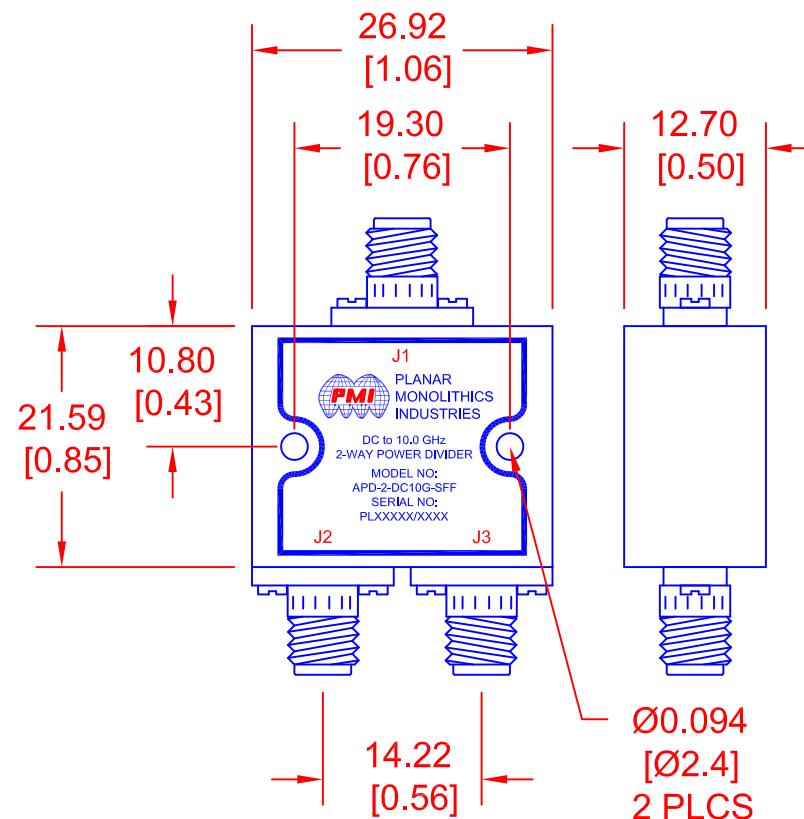
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

**PMI CONFIDENTIAL AND PROPRIETARY**

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	1/25/17	

## MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN		1/25/17		PRODUCT FEATURE	
CHECKED				APD-2-DC10G-SFF	
ISSUED				PRELIMINARY	
SCALE		N:S		SHEET	
				1 OF 1	