

DESCRIPTION

PMI MODEL: APD-2-5D4G5D9G-50W-SFF IS A 2-WAY AMPLIFIED POWER DIVIDER OPERATING OVER THE 5.4 GHz TO 5.9 GHz FREQUENCY RANGE. THIS MODEL OFFERS A MINIMUM ISOLATION OF 20 dB WHILE MAINTAINING A VSWR OF 1.25:1.

SPECIFICATIONS

- FREQUENCY RANGE: ----- 5.4 TO 5.9 GHz
- INSERTION LOSS: ----- 0.4 dB MAXIMUM
- ISOLATION: ----- 20 dB MINIMUM
- VSWR: ----- 1.25:1 MAXIMUM
- AMPLITUDE BALANCE: ----- ±0.2 dB MAXIMUM
- PHASE BALANCE: ----- ±2° MAXIMUM
- POWER HANDLING: ----- 50 WATT MAXIMUM - FORWARD
0.5 WATT MAXIMUM - REVERSED
- IMPEDANCE: ----- 50 Ω
- CONNECTORS: ----- SMA FEMALE
- SIZE: ----- 1.34" x 1.18" x 0.39"
34 mm x 30 mm x 10 mm
- FINISH: ----- BLACK 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: ----- UP TO 90%, NON-CONDENSING
- 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

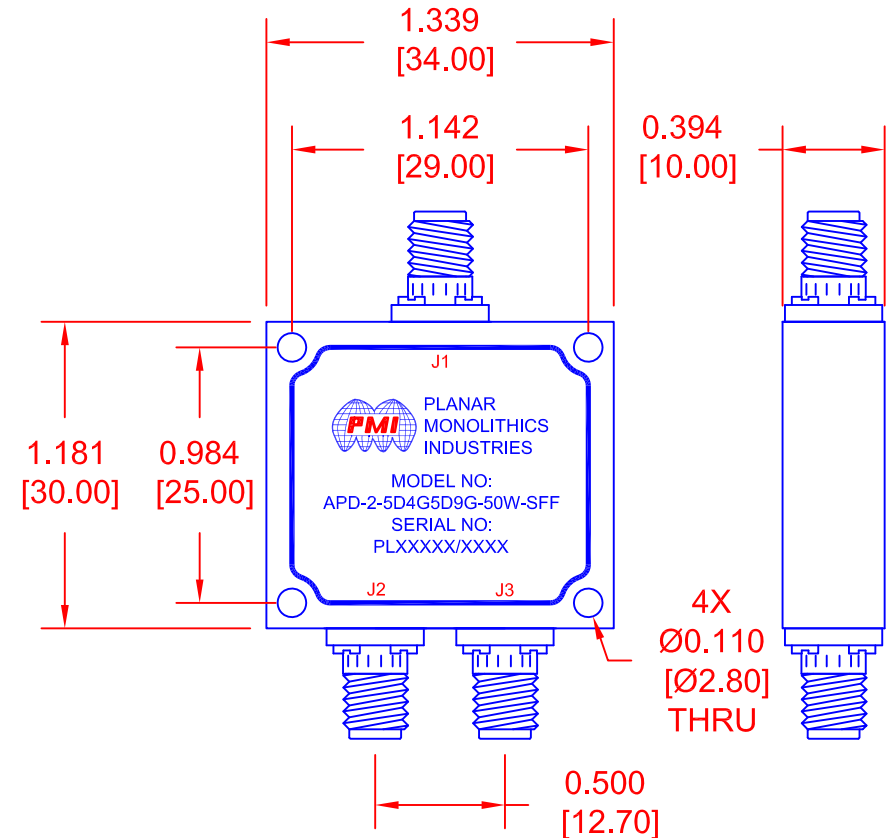
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

ALL DIMENSIONS
ARE IN INCHES (mm)
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	02/10/16	

MECHANICAL OUTLINE



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APPROVALS		DATE	TITLE			
DRAWN <i>M. Berry</i>		02/10/16	PRODUCT FEATURE APD-2-5D4G5D9G-50W-SFF			
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO.	REV. -
ISSUED			PRELIMINARY			
			SCALE N:S	SHEET 1 OF 1		