

DESCRIPTION

PMI MODEL: APD-8-2D8G4D3G-10W-SFF IS AN 8-WAY AMPLIFIED POWER DIVIDER OPERATING BETWEEN 2.8 TO 4.3 GHz. THIS MODEL PROVIDES A TYPICAL INSERTION LOSS OF 1.0 dB AND A MINIMUM INSERTION LOSS OF 22 dB. INPUT AND OUTPUT VSWR IS LESS THAN 1.30:1 INTO 50Ω IMPEDANCE. THE HOUSING MEASURES 4.25" X 2.28" X 0.39" AND IS OUTFITTED WITH SMA FEMALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: 2.8 TO 4.3 GHz
- INSERTION LOSS: 1.0 dB TYP
1.5 dB MAX
- ISOLATION: 22 dB MIN
- IN/OUT VSWR: 1.30:1 MAX
- AMPLITUDE BALANCE: 0.5 dB MAX
- PHASE BALANCE: 10° MAX
- POWER HANDLING: 10 W MAX FORWARD
0.5 W MAX REVERSED
- IMPEDANCE: 50 Ω
- PORT CONNECTORS: STAINLESS STEEL
SMA FEMALE (9X)
PER MIL-C-39012
- 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: -40 °C TO +85 °C (OPERATING)
- HUMIDITY: UP TO 90%, NON-CONDENSING

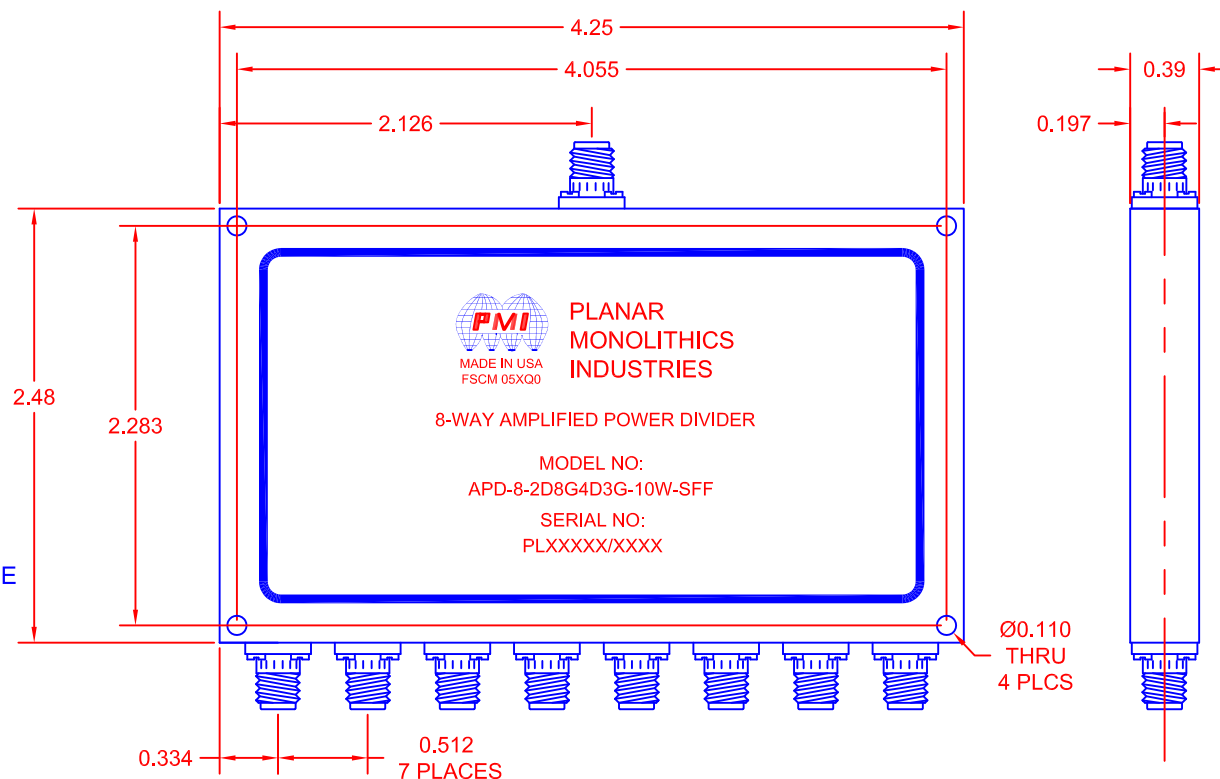
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	10/15/15	JP

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN <i>M. Berry</i>		10/15/15		PRODUCT FEATURE APD-8-2D8G4D3G-10W-SFF	
CHECKED					
ISSUED					
SIZE A		FSCM NO. 05XQ0		DWG NO. PRELIMINARY	
SCALE N:S				SHEET 1 OF 1	