

## 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

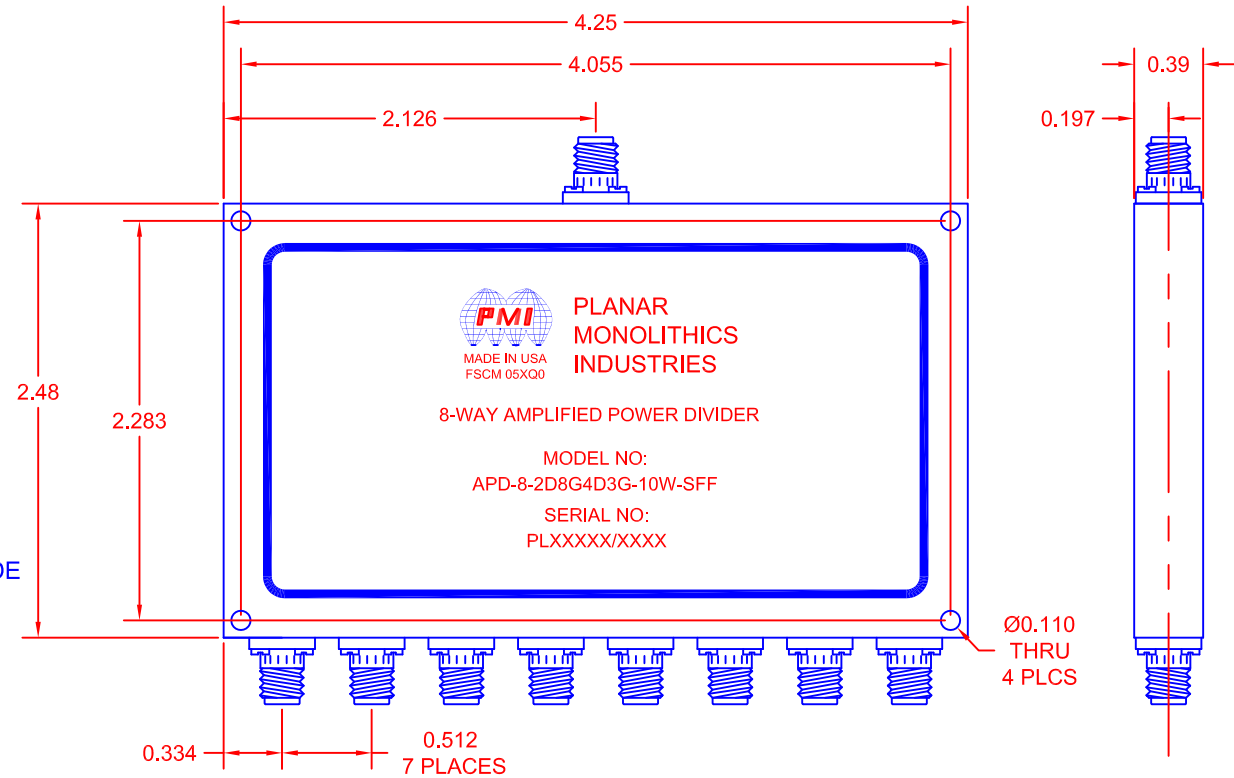
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

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			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
ISSUED			SCALE N:S		SHEET 1 OF 1