

DESCRIPTION

PMI MODEL APD-8-500M2G-SFF-30W IS AN EIGHT WAY POWER DIVIDER FEATURING HIGH ISOLATION, LOW INSERTION LOSS, AND LOW VSWR. IT IS DESIGNED FOR BROADBAND USE AND HIGH RELIABILITY.

SPECIFICATIONS

- FREQUENCY RANGE: 0.5 TO 2.0 GHz
- INSERTION LOSS: ≤ 1.5 dB (ABOVE 9.0 dB SPLIT)
- VSWR: INPUT $\leq 1.40:1$, OUTPUT $\leq 1.25:1$
- ISOLATION: 20 dB MINIMUM
- AMPLITUDE BALANCE: $\leq \pm 0.4$ dB
- PHASE BALANCE: $\leq \pm 4^\circ$
- POWER HANDLING: FORWARD ≤ 30 W
REVERSED ≤ 1 W
- IMPEDANCE: 50 Ω
- CONNECTORS: SMA FEMALE (X9)
- FINISH: PAINTED BLUE

ENVIRONMENTAL RATINGS

- TEMPERATURE: -55 $^\circ$ C TO +85 $^\circ$ C (OPERATING)
-65 $^\circ$ C TO +125 $^\circ$ C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

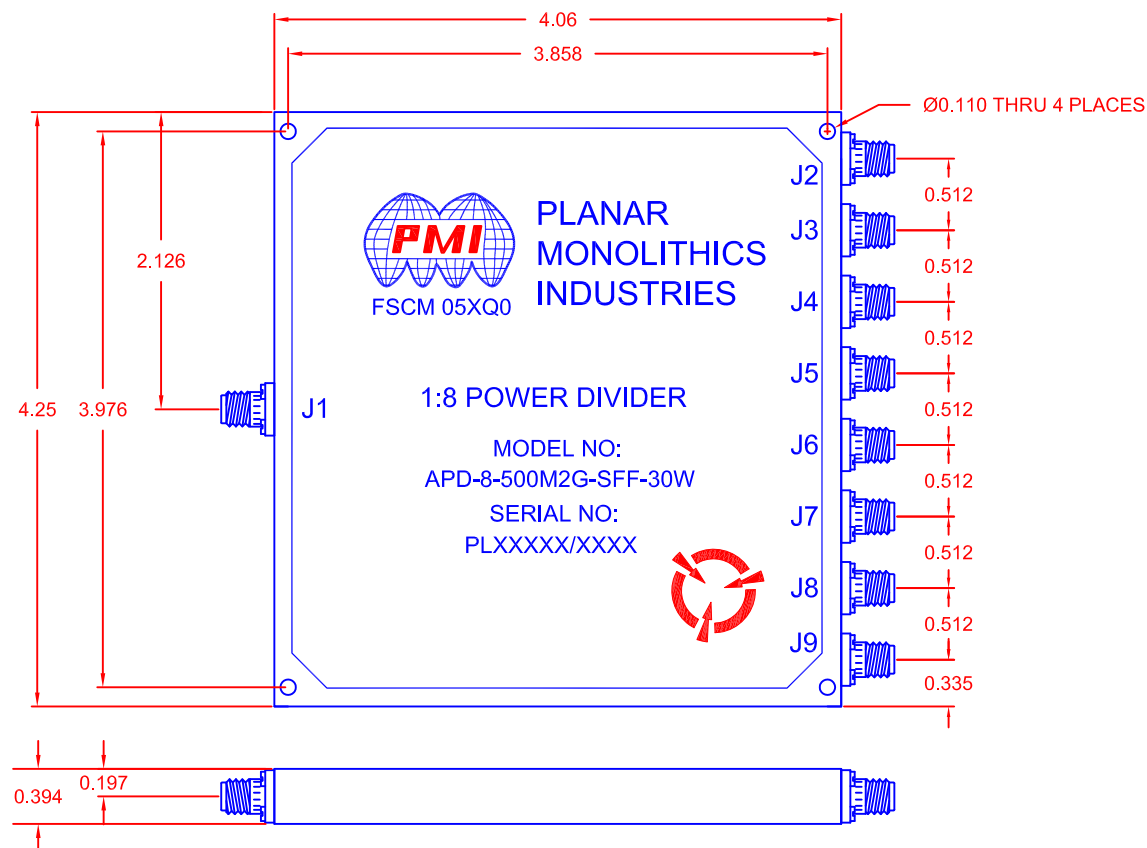
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	05/15/15	

MECHANICAL OUTLINE



PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN <i>M. Berry</i>		05/15/15		PRODUCT FEATURE APD-8-500M2G-SFF-30W	
CHECKED				SIZE	REV.
ISSUED				A	A1
				FSCM NO.	DWG NO.
				05XQ0	27025621
				SCALE	SHEET
				N:S	1 OF 1