

DESCRIPTION

PMI MODEL: APD-8-6G18G-SFF IS A 6.0 TO 18.0 GHz, 8-WAY, IN-PHASE POWER DIVIDER HAVING AN INSERTION LOSS OF 2.0 dB MAXIMUM AND A MINIMUM ISOLATION OF 18 dB. THIS MODEL PROVIDES INPUT AND OUTPUT VSWR OF 1.60:1 MAXIMUM INTO 50 Ω IMPEDANCE. THE HOUSING MEASURES 3.75" x 1.77" x 0.39" AND IS OUTFITTED WITH SMA FEMALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: ----- 6.0 TO 18.0 GHz
- INSERTION LOSS: ----- 2.0 dB MAXIMUM
- ISOLATION: ----- 18 dB MINIMUM
- VSWR: ----- 1.60:1 MAXIMUM
- AMPLITUDE BALANCE: ----- ±0.8 dB MAXIMUM
- PHASE BALANCE: ----- ±8°
- POWER HANDLING: ----- FORWARD: 20 W MAXIMUM
REVERSED: 0.5 W MAXIMUM
- IMPEDANCE: ----- 50 Ω
- CONNECTORS: ----- SMA FEMALE
- SIZE: ----- 3.75" x 1.77" x 0.39"
95.25 mm x 45 mm x 10 mm
- 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: ----- 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

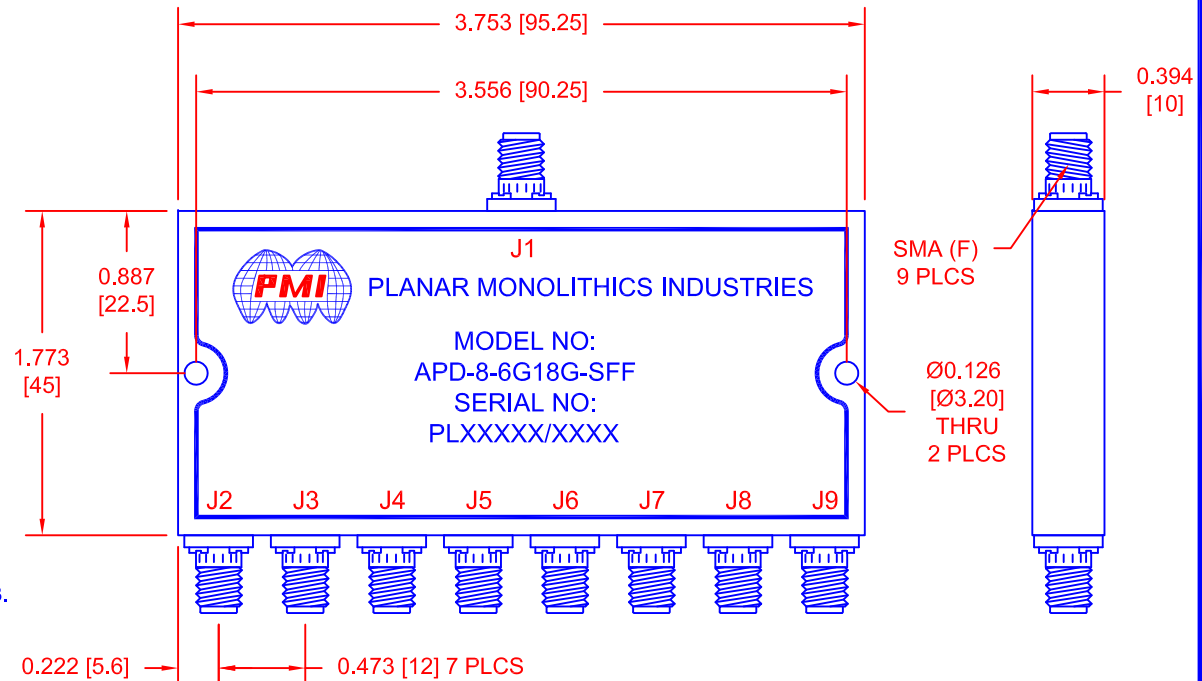
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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	1/15/16	

MECHANICAL OUTLINE



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APPROVALS		DATE	TITLE			
DRAWN <i>M. Berry</i>		1/15/16	PRODUCT FEATURE APD-8-6G18G-SFF			
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO.	REV. -
ISSUED			SCALE N:S		SHEET 1 OF 1	