

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: $\pm 8^\circ$ MAX.
- 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 $^\circ$ C TO +85 $^\circ$ C (OPERATING)
-65 $^\circ$ C TO +125 $^\circ$ 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

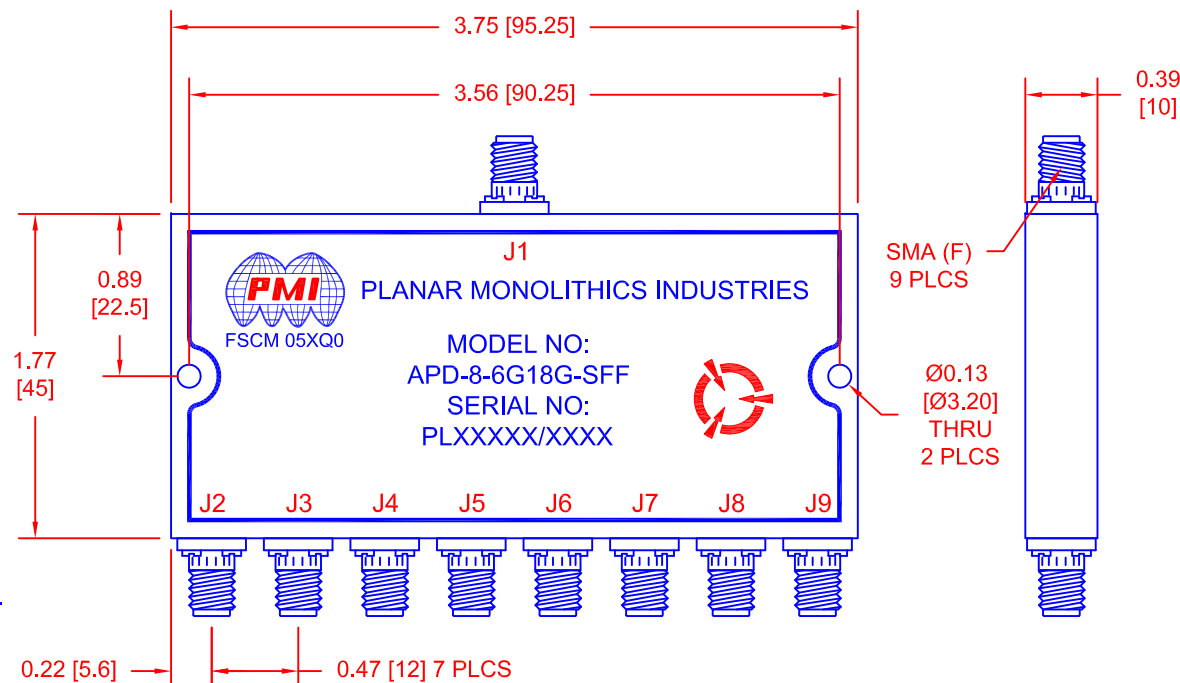
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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
	A1	ORIGINAL RELEASE	9/17/21	

MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN <i>M. Berry</i>		1/15/16		PRODUCT FEATURE APD-8-6G18G-SFF	
CHECKED				SIZE A	FSCM NO. 05XQ0
ISSUED				DWG NO. 27042580	REV. A1
SCALE N:S				SHEET 1 OF 1	