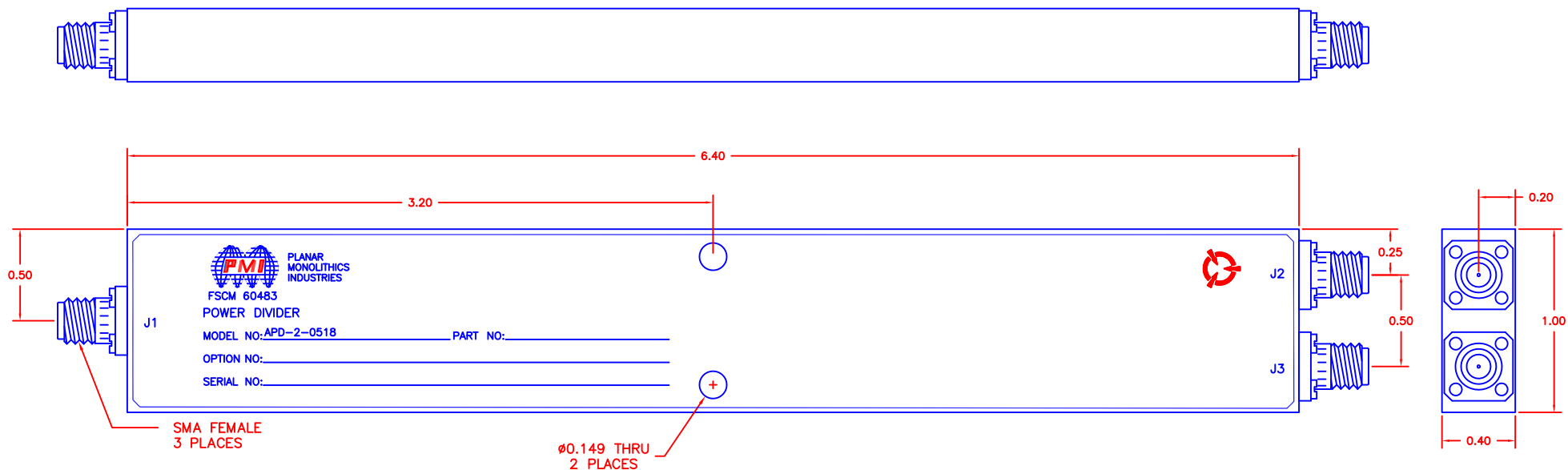


DESCRIPTION

PMI MODEL APD-2-0518 IS A TWO WAY STRIPLINE POWER DIVIDER FEATURING HIGH ISOLATION, LOW INSERTION LOSS AND LOW VSWR. DESIGNED FOR BROADBAND OPERATION AND HIGH RELIABILITY.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	9/16/17	



SPECIFICATIONS

- FREQUENCY RANGE: 0.5 TO 18.0 GHz
- INSERTION LOSS: 0.5 TO 8.0 GHz, 0.8 dB MAXIMUM
8.0 TO 18.0 GHz, 1.8 dB MAXIMUM
- VSWR: 0.5 TO 8.0 GHz, 1.5:1 MAXIMUM
8.0 TO 18.0 GHz, 1.75:1 MAXIMUM
- ISOLATION: 0.5 TO 8.0 GHz, 18.0 dB MINIMUM
8.0 TO 18.0 GHz, 17.0 dB MINIMUM
- AMPLITUDE BALANCE: 0.5 TO 8.0 GHz, ± 0.6 dB
8.0 TO 18.0 GHz, ± 0.75 dB
- PHASE BALANCE: 0.5 TO 8.0 GHz, $\pm 8^\circ$
8.0 TO 18.0 GHz, $\pm 10^\circ$
- AVERAGE POWER INTO LOAD VSWR:
1.2:1 25 WATTS
2.0:1 7.5 WATTS
 ∞ :1 0.75 WATTS
- SIZE: 6.40" (L) x 1.00" (W) x 0.40" (H)

ENVIRONMENTAL RATINGS:

- TEMPERATURE: -54°C TO +55°C (OPERATING)
-65°C TO +100°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

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APPROVALS		DATE	TITLE			
DRAWN <i>EMF</i>		9/16/17	PRODUCT FEATURE APD-2-0518 0.5 - 18.0 GHz 2 WAY POWER DIVIDER			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	OZXXZ8	PRELIMINARY	-
			SCALE	N:S	SHEET	1 OF 3