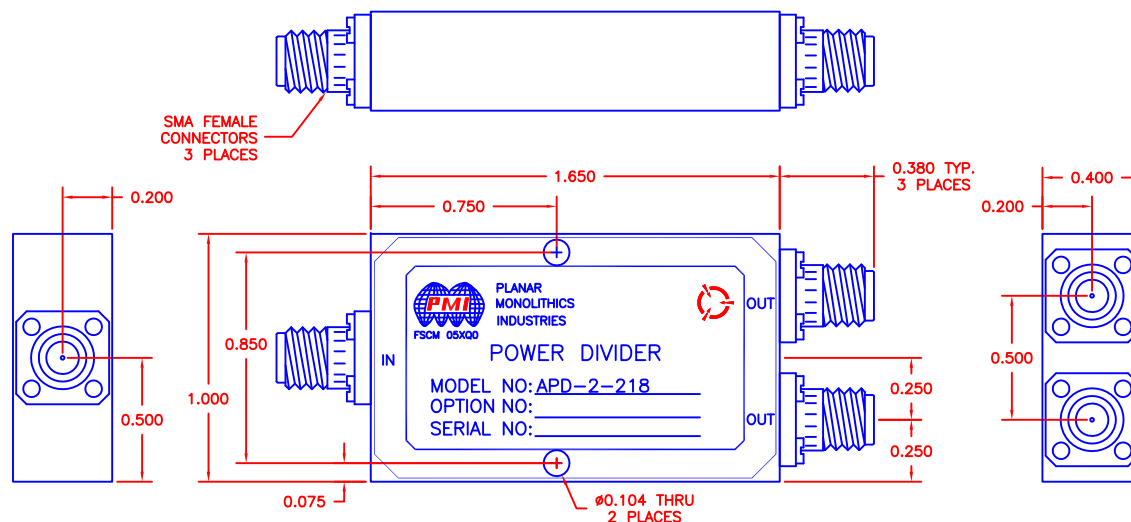


DESCRIPTION

PMI MODEL APD-2-218 IS A 2 TO 18 GHz POWER DIVIDER HAVING AN INSERTION LOSS OF 0.5 dB MAXIMUM BETWEEN 2 TO 8 GHz AND 1.2 dB MAXIMUM BETWEEN 8 TO 18 GHz. THE SIZE IS 1.65" x 1.00" x 0.40".

SPECIFICATIONS

- FREQUENCY RANGE: 2 TO 18 GHz
- INSERTION LOSS: 2 TO 8 GHz: 0.5 dB MAXIMUM
8 TO 18 GHz: 1.2 dB MAXIMUM
- VSWR INPUT: 2 TO 8 GHz: 1.3:1
8 TO 18 GHz: 1.4:1
- VSWR OUTPUT: 2 TO 8 GHz: 1.25:1
8 TO 18 GHz: 1.4:1
- ISOLATION: 2 TO 8 GHz: 20 dB MINIMUM
8 TO 18 GHz: 19 dB MINIMUM
- AMPLITUDE BALANCE: 2 TO 8 GHz: 0.2 dB
8 TO 18 GHz: 0.3 dB
- PHASE BALANCE: 2 TO 8 GHz: 3.0°
8 TO 18 GHz: 6.0°
- AVERAGE POWER INTO LOAD VSWR: 1.2:1 30 WATTS
2.1:1 10 WATTS
INFINITE 1 WATT
- WEIGHT: 1.4 oz.
- SIZE: 1.65" x 1.00" x 0.40"



ENVIRONMENTAL RATINGS

- TEMPERATURE: -55°C TO +85°C (OPERATING)
-65°C TO +125°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

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE	2/20/97	

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ISO 9001:2008 CERTIFIED



APPROVALS		DATE		TITLE			
DRAWN	BLS		2/20/97	PRODUCT FEATURE APD-2-218 2 TO 18 GHz, POWER DIVIDER			
REDRAWN	JDJ		9/16/04	SIZE	FSCM NO.	DWG NO.	REV.
ISSUED				A	05XQ0	100-4004	-
				SCALE	N:S	SHEET	1 OF 3