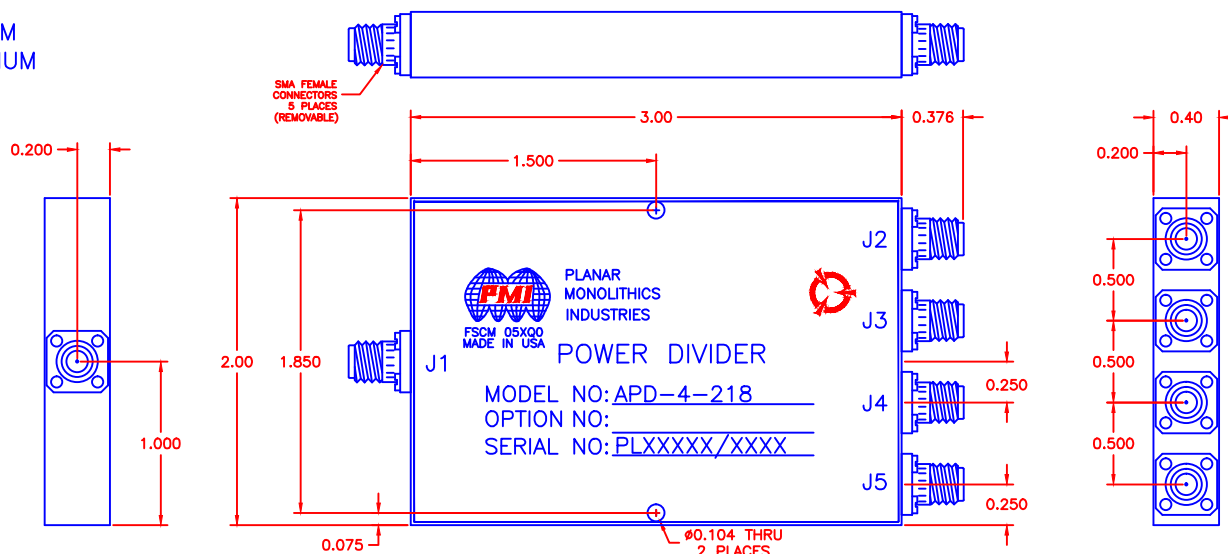


DESCRIPTION

PMI MODEL APD-4-218 IS A 2 TO 18 GHz POWER DIVIDER HAVING AN INSERTION LOSS OF 1.5 dB MAXIMUM BETWEEN 2 TO 8 GHz AND 2.4 dB MAXIMUM BETWEEN 8 TO 18 GHz. THE SIZE IS 3.00" x 2.00" x 0.40".

SPECIFICATIONS

- FREQUENCY RANGE: 2 TO 18 GHz
- INSERTION LOSS: 2 TO 8 GHz: 1.5 dB MAXIMUM
8 TO 18 GHz: 2.4 dB MAXIMUM
- VSWR INPUT: 2 TO 8 GHz: 1.75:1
8 TO 18 GHz: 1.85:1
- VSWR OUTPUT: 2 TO 8 GHz: 1.35:1
8 TO 18 GHz: 1.65:1
- ISOLATION: 18.0 dB MINIMUM
- AMPLITUDE BALANCE: 2 TO 8 GHz: 0.5 dB MAX
8 TO 18 GHz: 0.9 dB MAX
- PHASE BALANCE: 2 TO 8 GHz: 3.0° MAX
8 TO 18 GHz: 5.0° MAX
- AVERAGE POWER INTO
LOAD VSWR: 1.2:1 25 WATTS
2.0:1 7.5 WATTS
∞:1 0.75 WATT
- SIZE: 3.00" x 2.00" 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
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	7/11/13	
	A1	ECN # 14-0046	03/05/14	

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED

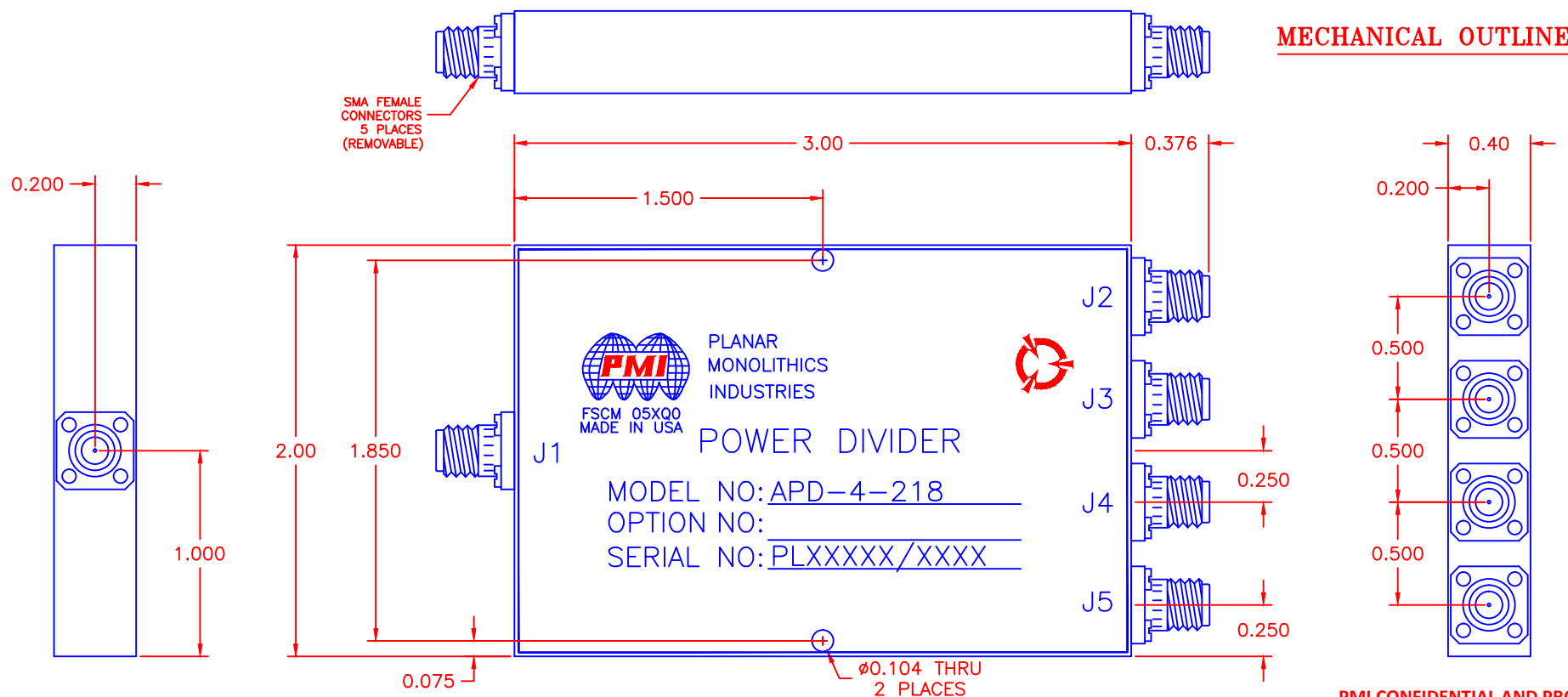


APPROVALS		DATE	TITLE		PRODUCT FEATURE	
DRAWN		7/11/13	2 TO 18 GHz, POWER DIVIDER		APD-4-218	
REDRAWN			SIZE		FSCM NO.	
ISSUED			A		05XSQO	
			DWG NO.		27020061	
			REV.		A1	
			SCALE		N:S	
			SHEET		1 OF 3	

DESCRIPTION

PMI MODEL APD-4-218 IS A 2 TO 18 GHz POWER DIVIDER HAVING AN INSERTION LOSS OF 1.5 dB MAXIMUM BETWEEN 2 TO 8 GHz AND 2.4 dB MAXIMUM BETWEEN 8 TO 18 GHz. THE SIZE IS 3.00" x 2.00" x 0.40".

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	7/11/13	
	A1	ECN # 14-0046	03/05/14	



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

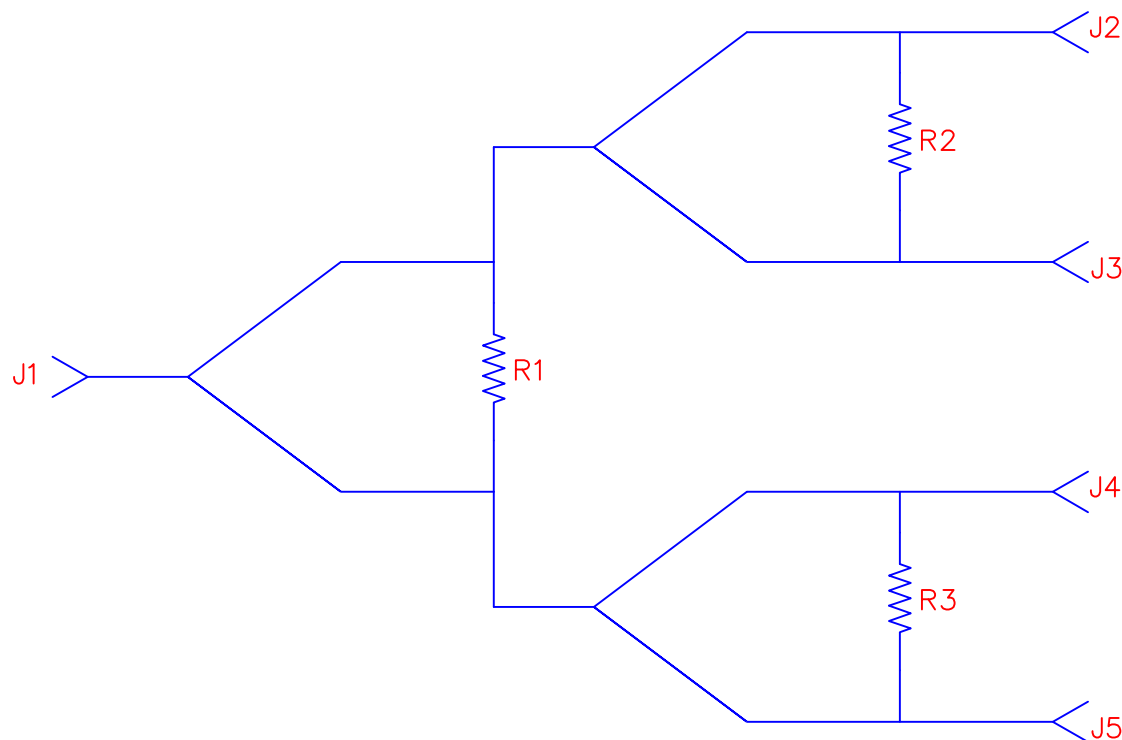
APPROVALS		DATE	TITLE			REV.
DRAWN		7/11/13	MECHANICAL OUTLINE APD-4-218 2 TO 18 GHz, POWER DIVIDER			A1
REDRAWN			SIZE	FSCM NO.	DWG NO.	
ISSUED			A	05XSQ0	27020061	
			SCALE	N:S	SHEET	2 OF 3

DESCRIPTION

PMI MODEL APD-4-218 IS A 2 TO 18 GHz POWER DIVIDER HAVING AN INSERTION LOSS OF 1.5 dB MAXIMUM BETWEEN 2 TO 8 GHz AND 2.4 dB MAXIMUM BETWEEN 8 TO 18 GHz. THE SIZE IS 3.00" x 2.00" x 0.40".

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	7/11/13	
	A1	ECN # 14-0046	03/05/14	

FUNCTIONAL BLOCK DIAGRAM



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APPROVALS		DATE	TITLE			
DRAWN		7/11/13	FUNCTIONAL BLOCK DIAGRAM			
REDRAWN			APD-4-218			
ISSUED			2 TO 18 GHz, POWER DIVIDER			
SIZE		FSCM NO.	DWG NO.		REV.	
A		05XSQ0	27020061		A1	
SCALE		N:S	SHEET		3 OF 3	