

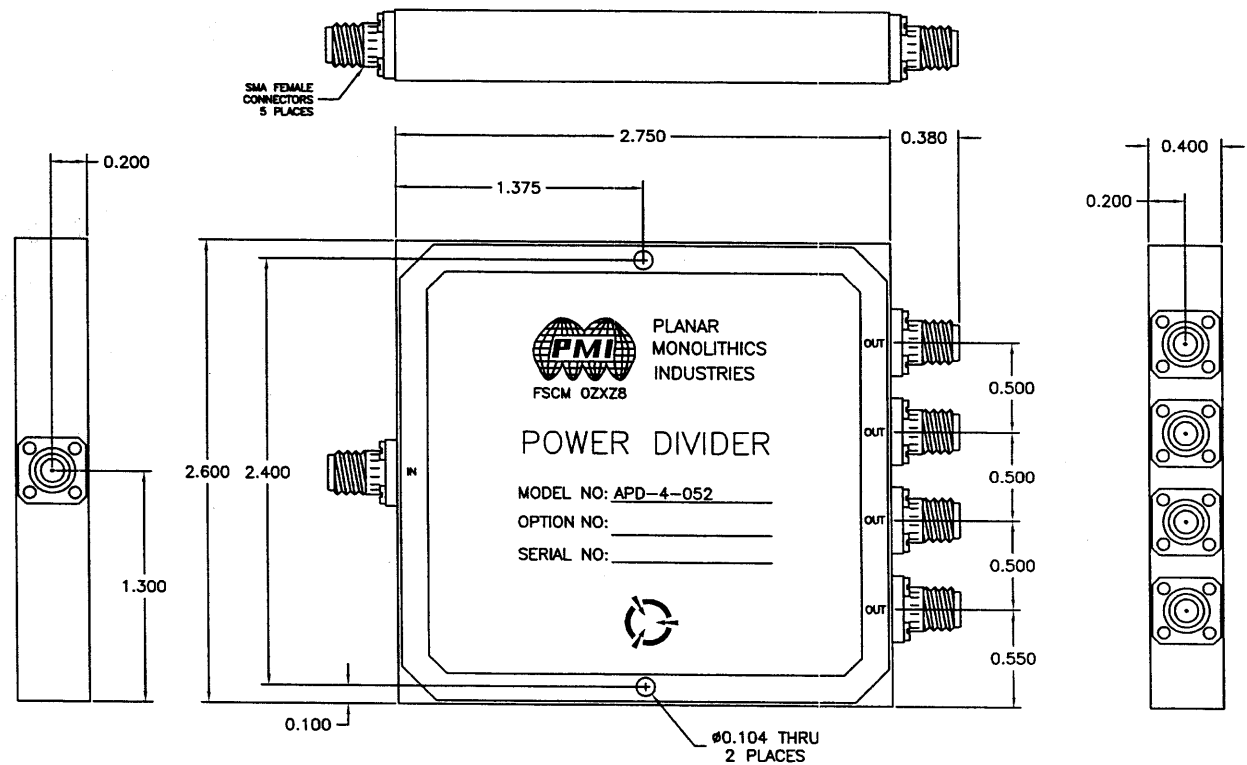
## DESCRIPTION

PMI MODEL APD-4-052 IS A 0.5 TO 2 GHz POWER DIVIDER HAVING AN INSERTION LOSS OF 1.5 dB MAXIMUM. THE SIZE IS 2.75" x 2.60" x 0.40".

REVISIONS			DATE	APPROVED
ZONE	REV.	DESCRIPTION		
	-	ORIGINAL RELEASE	2/21/97	BSC

## SPECIFICATIONS

- FREQUENCY RANGE: ..... 0.5 TO 2 GHz
- INSERTION LOSS: ..... 1.5 dB MAX
- VSWR INPUT: ..... 1.5:1
- VSWR OUTPUT: ..... 1.5:1
- ISOLATION: ..... 18 dB MIN
- AMPLITUDE BALANCE: ..... 0.4 dB
- PHASE BALANCE: ..... 5.0°
- AVERAGE POWER INTO  
LOAD VSWR: ..... 1.2:1 25 WATTS  
..... 2.1:1 7.5 WATTS  
..... ∞ 0.75 WATTS
- WEIGHT: ..... 3.5 oz.
- SIZE: ..... 2.75" x 2.60" x 0.40"



## ENVIRONMENTAL RATINGS

- **TEMPERATURE:** ..... -54°C TO +85°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

## PLANAR MONOLITHICS INDUSTRIES, INC.

7311-G GROVE ROAD  
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ISO 9001:2000 CERTIFIED



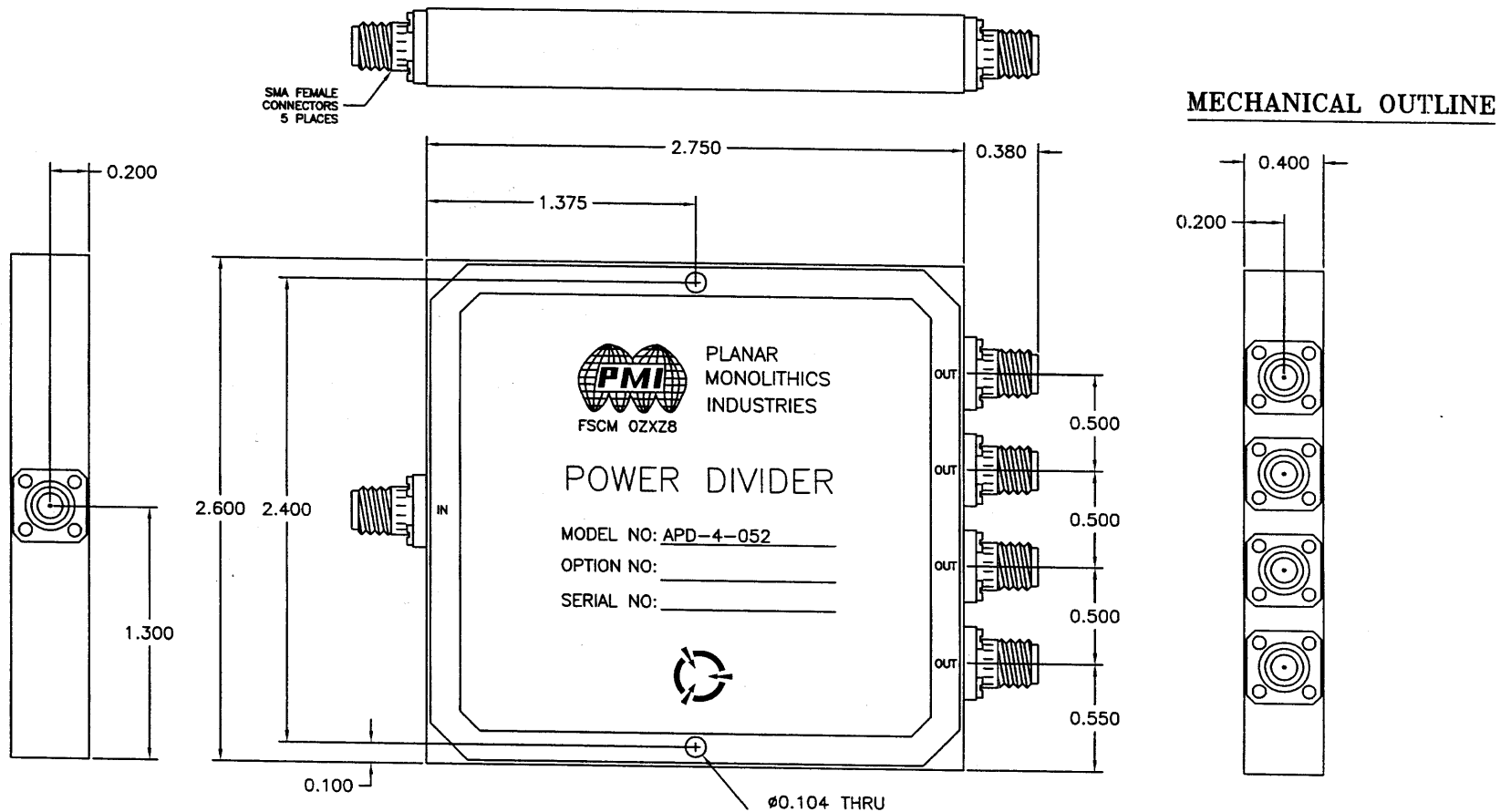
APPROVALS		DATE	TITLE
DRAWN <i>BSS</i>		2/21/97	PRODUCT FEATURE APD-4-052 0.5 - 2 GHz, POWER DIVIDER
REDRAWN <i>EKM</i>		12/7/04	SIZE FSCM N.I. A OZXZ8
ISSUED <i>Dw</i>		12/16/04	DWG NO. 100-4013
			SCALE N:S
			SHEET 1 OF 3

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

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	-	ORIGINAL RELEASE	2/21/97	



# MECHANICAL OUTLINE

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 X.XXX ±0.010

APPROVALS		DATE	TITLE		
DRAWN	<i>BLS</i>	2/21/97	MECHANICAL OUTLINE APD-4-052 0.5 - 2 GHz, POWER DIVIDER		
REDRAWN	<i>FKM</i>	12/7/04	SIZE	FSCM NO.	DWG NO.
ISSUED	<i>LA</i>	12/16/04	A	OZXZ8	100-4013
			SCALE	N:S	SHEET 2 OF 3