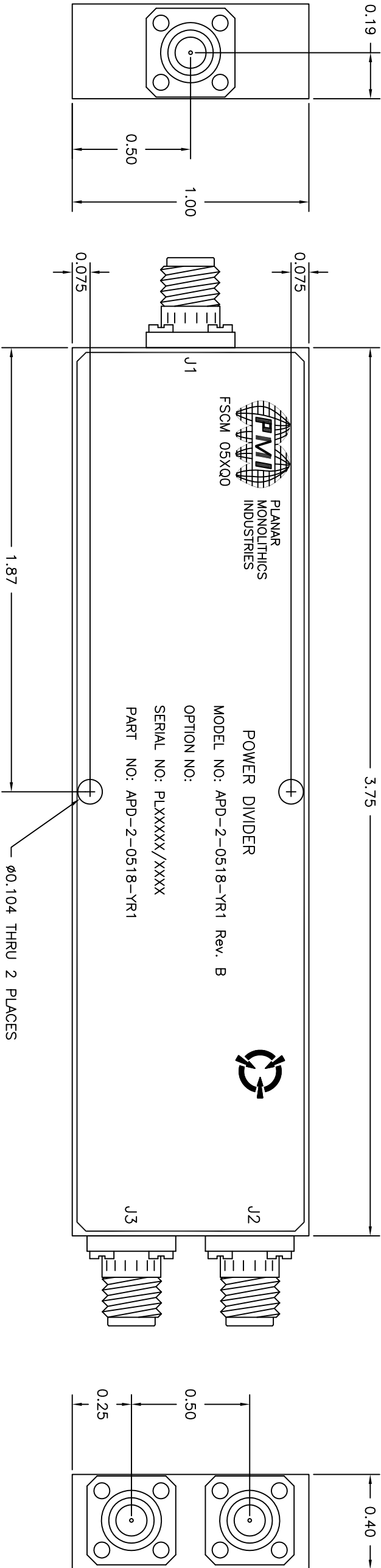


DESCRIPTION

PMI MODEL APD-2-0518-YR1 IS A TWO WAY POWER DIVIDER FEATURING HIGH ISOLATION, LOW INSERTION LOSS, AND LOW VSWR. IT IS DESIGNED FOR BROADBAND USE AND HIGH RELIABILITY.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	2/27/09	
	B	UPDATED SPECS	08/06/12	



SPECIFICATIONS

- FREQUENCY RANGE: 0.5 TO 18 GHz
- INSERTION LOSS: 0.5 TO 8.0 GHz, 1.85dB TYPICAL
- VSWR: 0.5 TO 18 GHz, 3.5dB TYPICAL
- ISOLATION: 0.5 TO 18 GHz, 1.5:1 TYPICAL
- ISOLATION: 8.0 TO 18 GHz, 1.6:1 TYPICAL
- ISOLATION: 0.5 TO 8.0 GHz, 16.5dB TYPICAL
- ISOLATION: 8.0 TO 18 GHz, 21.0dB TYPICAL
- AMPLITUDE BALANCE: 0.5 TO 8.0 GHz, ±0.2dB TYPICAL
- AMPLITUDE BALANCE: 8.0 TO 18 GHz, ±0.45dB TYPICAL
- PHASE BALANCE: 0.5 TO 8.0 GHz, ±4° TYPICAL
- PHASE BALANCE: 8.0 TO 18 GHz, ±5° TYPICAL
- AVERAGE POWER INTO LOAD VSWR:
 - 1.2:1 25 WATTS
 - 2.0:1 7.5 WATTS
 - ∞:1 0.75 WATTS
- SIZE: 3.75” (L) x 1.00” (W) x 0.40” (H)
- FINISH: GOLD PLATED


NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
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E-MAIL: sales@pmi-irf.com
ISO 9001:2008 CERTIFIED



TITLE

PRODUCT FEATURE

APD-2-0518-YR1

APPROVALS

DATE

DRAWN

4/5/05

CHECKED

ISSUED

SIZE

FSCM NO.

DWG NO.

A

05XQ0

27010304

SCALE

N:S

SHEET

1 OF 1

REV.

B

ALL DIMENSIONS ARE IN INCHES

TOLERANCES:
X.XX ±0.020
X.XXX ±0.010