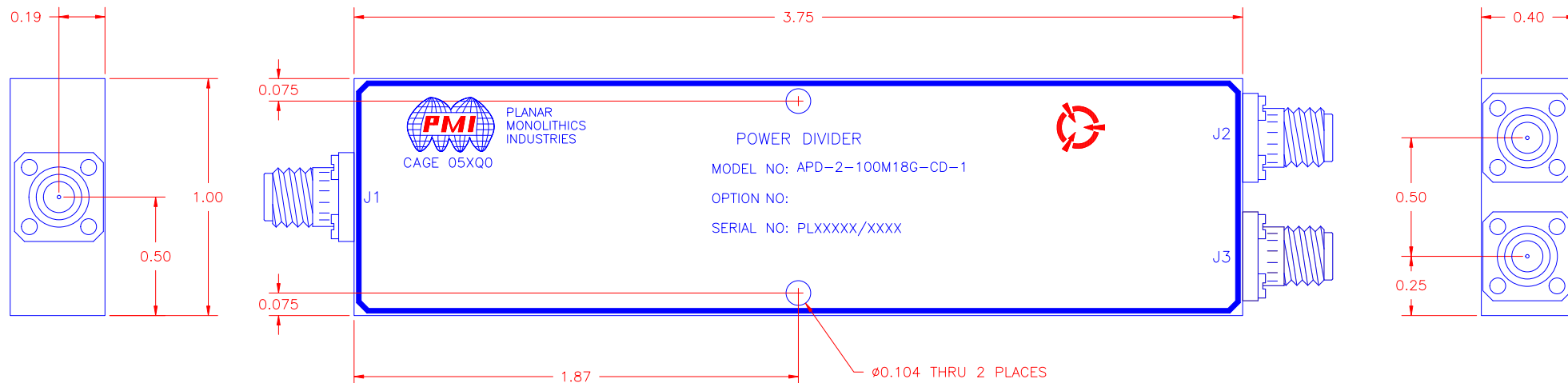


DESCRIPTION

PMI MODEL APD-2-100M18G-CD-1 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
	1	ORIGINAL RELEASE	11/20/13	
	A1	ECN # 14-0035	02/24/14	



SPECIFICATIONS

- FREQUENCY RANGE: 0.1 TO 18 GHz
- INSERTION LOSS: 0.1 TO 8.0 GHz, 1.85dB TYPICAL
8.0 TO 18 GHz, 3.5dB TYPICAL
- VSWR: 0.1 TO 0.5 GHz, 2.0:1 TYPICAL
0.5 TO 8.0 GHz, 1.5:1 TYPICAL
8.0 TO 18 GHz, 1.6:1 TYPICAL
- ISOLATION: 0.1 TO 0.5 GHz, 6dB TYPICAL
0.5 TO 8.0 GHz, 16.5dB TYPICAL
8.0 TO 18 GHz, 21.0dB TYPICAL
- AMPLITUDE BALANCE: 0.1 TO 8.0 GHz, ± 0.2 dB TYPICAL
8.0 TO 18 GHz, ± 0.45 dB TYPICAL
- PHASE BALANCE: 0.1 TO 8.0 GHz, $\pm 4^\circ$ TYPICAL
8.0 TO 18 GHz, $\pm 5^\circ$ 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

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

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
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



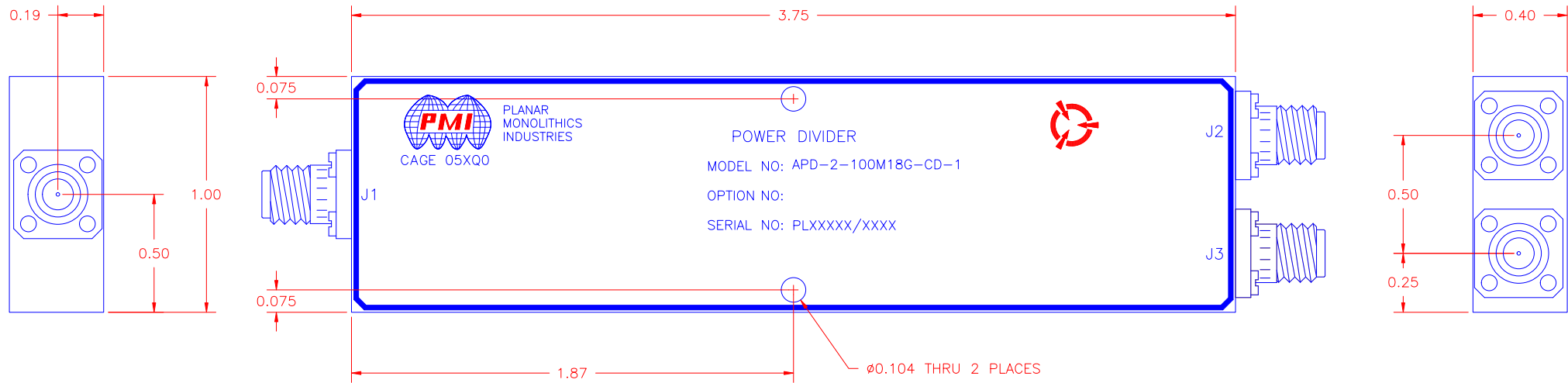
APPROVALS		DATE	TITLE			REV.
DRAWN <i>jgs</i>		11/20/13	PRODUCT FEATURE			
CHECKED			APD-2-100M18G-CD-1			
ISSUED			0.1 - 18 GHz 2 WAY POWER DIVIDER			
SIZE	FSCM NO.	DWG NO.			REV.	
A	05XQ0	27021531			A1	
SCALE N:S			SHEET		1 OF 3	

DESCRIPTION

PMI MODEL APD-2-100M18G-CD-1 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
	1	ORIGINAL RELEASE	11/20/13	
	A1	ECN # 14-0035	02/24/14	

MECHANICAL OUTLINE



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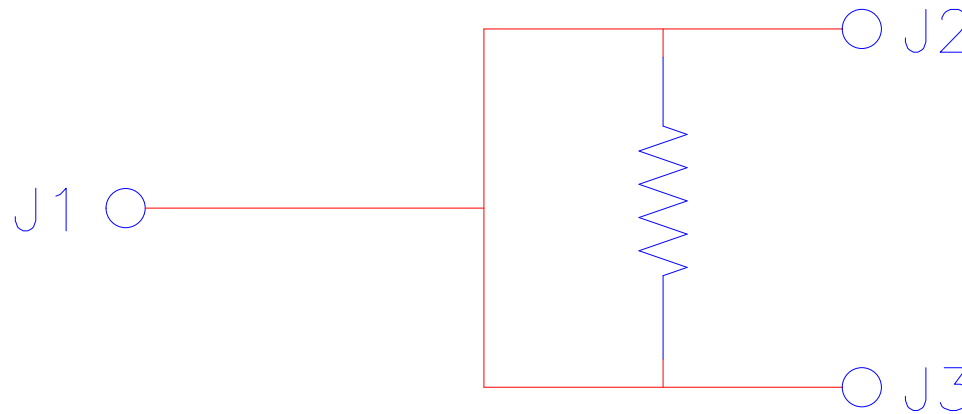
APPROVALS		DATE	TITLE			
DRAWN <i>jgs</i>		11/20/13	PRODUCT FEATURE			
CHECKED			APD-2-100M18G-CD-1			
ISSUED			0.1 - 18 GHz 2 WAY POWER DIVIDER			
SIZE	FSCM NO.	DWG NO.	REV.			
A	05XQ0	27021531	A1			
SCALE N:S			SHEET 2 OF 3			

DESCRIPTION

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REVISIONS				
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FUNCTIONAL BLOCK DIAGRAM



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 X.XX ±0.020
 X.XXX ±0.010

APPROVALS		DATE	TITLE		
DRAWN <i>jgs</i>		11/20/13	PRODUCT FEATURE		
CHECKED			APD-2-100M18G-CD-1		
ISSUED			0.1 - 18 GHz 2 WAY POWER DIVIDER		
SIZE	FSCM NO.	DWG NO.	REV.		
A	05XQ0	27021531	A1		
SCALE	N:S	SHEET		3 OF 3	