TYPICAL CHARACTERISTICS ON PDC-2G6G-35C-NFF-200W

PMI MODEL PDC-2G6G-35C-NFF-200W IS A 2.0 GHZ TO 6.0 GHZ DIRECTIONAL COUPLER HAVING A 35DB COUPLING FACTOR AND > 15DB DIRECTIVITY. THIS MODEL HANDLES AN INPUT POWER OF 200 WATTS CW

pending

Reported By
Y Li
3/7/2023

7309-A Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
Email: sales@quanticpmi.com

TYPICAL CHARACTERISTICS
ON
PDC-2G6G-35C-NFF-200W

PRODUCT FEATURE

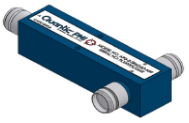
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	1/16/2023	
	A2	ECN # 24-0189	7/9/2024	

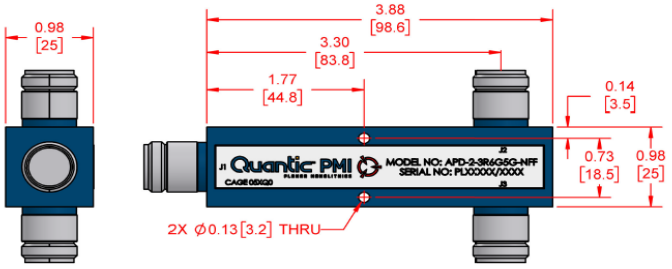
DESCRIPTION:

PMI MODEL NO. APD-2-3R6G5G-NFF IS A 2-WAY POWER DIVIDER THAT OPERATES OVER THE FREQUENCY RANGE OF 3.6 TO 5.0 GHz. IT HAS A MAXIMUM INSERTION LOSS OF 0.3 dB AND A MAXIMUM VSWR OF 1.25. THIS MODEL IS OUTFITTED WITH N FEMALE CONNECTORS.

SPECIFICATIONS:

- FREQUENCY RANGE:..... 3.6 TO 5.0 GHz
- INPUT PORT NUMBER:..... 1 (J1)
- OUTPUT PORT NUMBER:..... 2 (J2, J3)
- SPLIT LOSS:..... 3.0 dB
- INSERTION LOSS:..... 0.3 dB MAX
- PIM @ 2 X 43 dBm:..... -161 dBc MAX (1900 MHz, 2600 MHz)
- VSWR Input:..... 1.25:1 MAX
- AVERAGE POWER:..... 300 W
- RETURN LOSS:..... 19.1 dB MIN
- IMPEDANCE:..... 50 Ω INPUT, 25 Ω OUTPUT
- CONNECTORS:..... N FEMALE
- FINISH:..... PAINTED BLUE





ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -25°C TO +85°C (OPERATING)
  -65°C TO +125°C (STORAGE)
- RELATIVE HUMIDITY:..... UP TO 100%
- SHOCK:..... MIL-STD-202, METHOD 213B COND. B
- VIBRATION:..... MIL-STD-202, METHOD 204D COND. B
- ALTITUDE:..... MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107D COND. A

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

PMI CONFIDENTIAL AND PROPRIETARY

Quantic PMI
PLANAR MONOLITHICS
7309-A GROVE ROAD FREDERICK, MARYLAND 21704 USA
TEL: (301) 662-5019 FAX: (301) 662-1731
WEB: WWW.PMI-RF.COM EMAIL: SALES@PMI-RF.COM
ISO 9001 CERTIFIED

APPROVALS	DATE
DRAWN J ESCANO	1/16/2023
RECHECKED	
ISSUED	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS ± ANGLES ± .XX ± 0.02 .XXX ± 0.01

TITLE: OUTLINE
APD-2-3R6G5G-NFF
SIZE: B | FSCM NO.: 05XQ0 | DWG NO.: 27045920 | REV.: A2
SCALE 1:1 | SHEET 1 OF 1

TYPICAL CHARACTERISTICS
ON
PDC-2G6G-35C-NFF-200W

TEST DATA

TEST ITEM	PARAMETERS	SPECIFIED VALUE	TEST RESULTS		
			25°C	-25°C	85°C
1	Frequency Range	3.6 GHz to 5 GHz	**3.6 GHz to 5 GHz**	**3.6 GHz to 5 GHz**	**3.6 GHz to 5 GHz**
2	Insertion Loss	0.3 dB Max.	**0.08 dB**	**0.09 dB**	**0.09 dB**
4	VSWR Input	1.25:1 Max.	**1.13:1**	**1.13:1**	**1.14:1**
5	VSWR Output	Unspecified	**3.23:1**	**3.25:1**	**3.23:1**
6	PIM @ 2 x 43 dBm	-161 dBc MAX (1900 MHz, 2600 MHz)	**Pass By Design**	**Pass By Design**	**Pass By Design**
7	Operating Power CW	Watts	**Pass By Design**	**Pass By Design**	**Pass By Design**
8	Impedance	50 Ω Input 25 Ω Outputs	**Pass By Design**	**Pass By Design**	**Pass By Design**

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PLANAR MONOLITHICS

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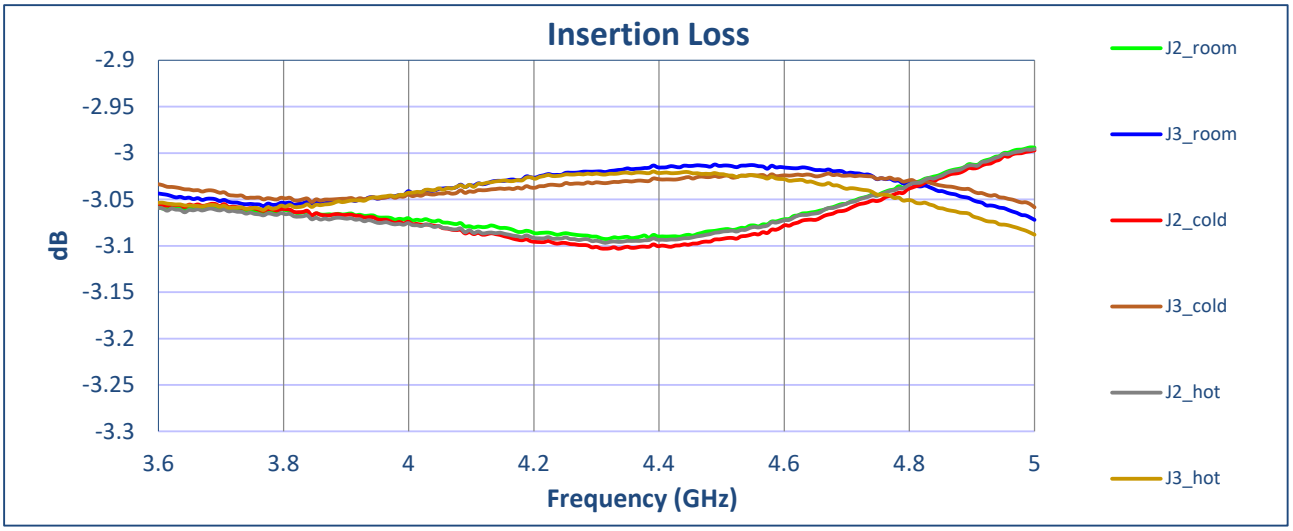

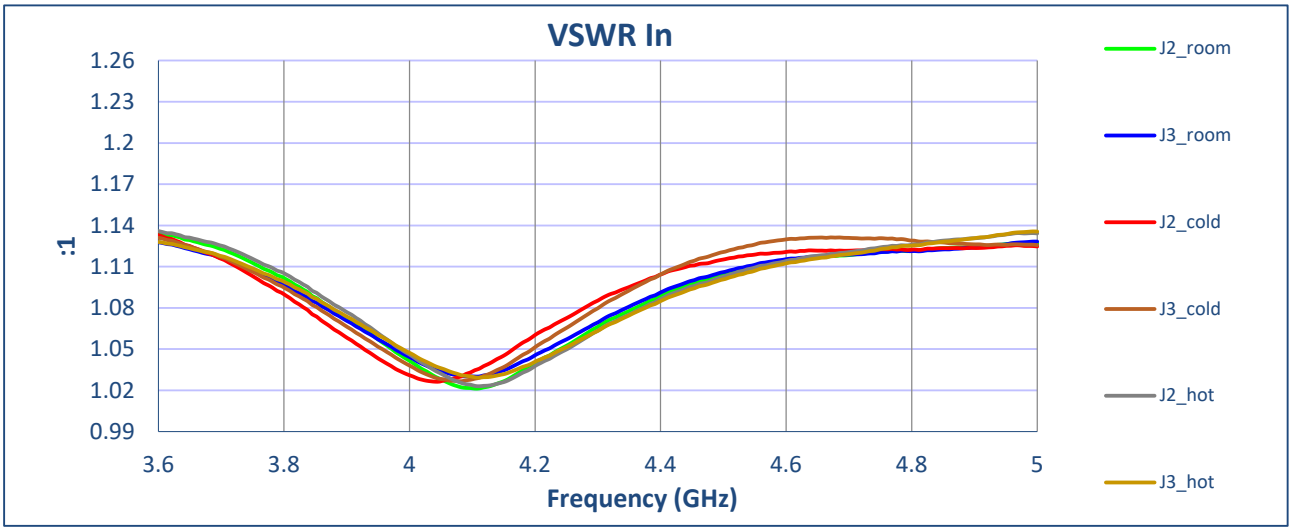

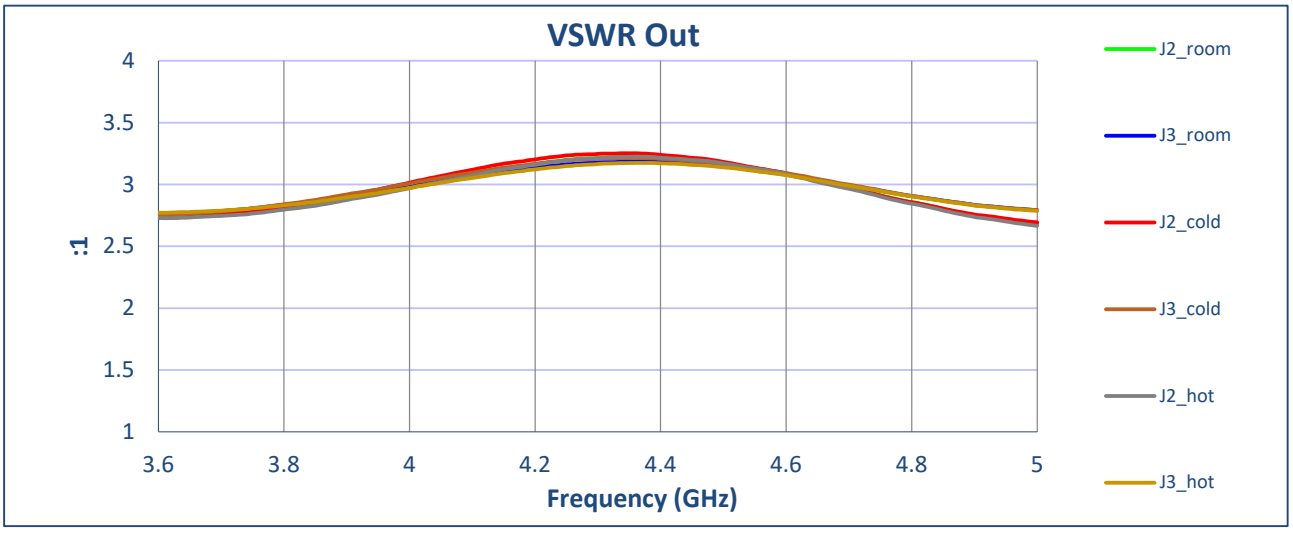

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