

**TYPICAL CHARACTERISTICS
ON
APD-2-3R6G5G-NFF**

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.



**Reported By
Y Li
3/27/2023**

TYPICAL CHARACTERISTICS ON APD-2-3R6G5G-NFF PRODUCT FEATURE

DESCRIPTION:
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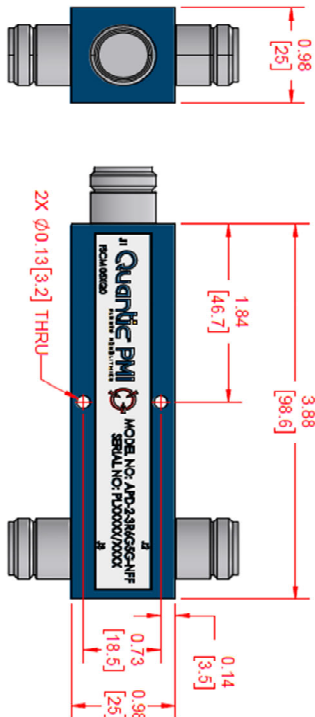
SPECIFICATIONS:

- 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 X43 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
- 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



CONTROL	DESCRIPTION	DATE	APPROVED
AT	ORIGINAL RELEASE		

QUANTIC PMI 7309-A GROVE ROAD FREDERICK, MD 21704 USA TEL: (301) 662-5019 FAX: (301) 662-1731 WWW.QUANTICPMI.COM		PMI CONFIDENTIAL AND PROPRIETARY	
DATE	APPROVAL	DATE	APPROVAL
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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	300 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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