

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



**Reported By
Y Li
3/7/2023**

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

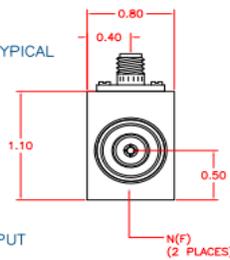
PRODUCT FEATURE

DESCRIPTION

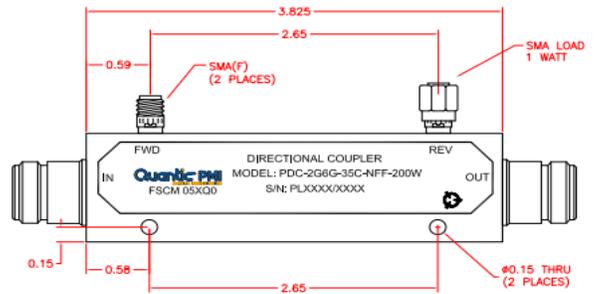
PMI MODEL PDC-2G6G-35C-NFF-200W IS A 2.0 GHZ TO 6.0 GHZ DIRECTIONAL COUPLER HAVING A 35dB COUPLING FACTOR AND > 15dB DIRECTIVITY. THIS MODEL HANDLES AN INPUT POWER OF 200 WATTS CW.

SPECIFICATIONS

- FREQUENCY RANGE: 2.0 GHz TO 6.0 GHz
- INSERTION LOSS: 0.25 dB MAX, 0.15dB TYP
- VSWR: 1.40:1 MAXIMUM
- DIRECTIVITY: 15 dB MINIMUM, 22 dB TYPICAL
- COUPLING: 35 dB ±1 dB
- COUPLING FLATNESS: ±1.0 dB MAXIMUM
- POWER HANDLING: 200 WATTS MAXIMUM
- IMPEDANCE: 50Ω
- CONNECTORS: N(F) - RF INPUT & OUTPUT
SMA(F) - FWD & REV
- FINISH: PAINTED BLUE



REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	01/12/23	



ENVIRONMENTAL RATINGS:

- TEMPERATURE: -25°C TO +85°C (OPERATING)
-55°C TO +150°C (STORAGE)

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

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

PMI CONFIDENTIAL AND PROPRIETARY

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	TITLE		
DRAWN <i>MJD</i>		01/12/23	PRODUCT FEATURE PDC-2G6G-35C-NFF-200W		
REDRAWN			SIZE	FSCM NO.	DWG. NO.
ISSUED			A	05XQ0	27045400
			SCALE	N:S	SHEET 1 OF 1
					REV. A1

**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	2 GHz to 6 GHz	2 GHz to 6 GHz	2 GHz to 6 GHz	2 GHz to 6 GHz
2	Insertion Loss	0.25 dB Max. 0.15 dB Typ.	0.17 dB	0.12 dB	0.14 dB
3	VSWR	1.4 dB Max.	1.21:1	1.17:1	1.18:1
4	Directivity	15 dB Min. 22 dB Typ.	15.27 dB	16.24 dB	15.92 dB
5	Coupling	35 dB ± 1 dB	34.5 dB to 35.8 dB	34.5 dB to 35.8 dB	34.5 dB to 35.8 dB
6	Coupling Flatness	±1 dB	±0.6 dB	±0.6 dB	±0.6 dB
7	Operating Power CW	200 Watts	Pass By Design	Pass By Design	Pass By Design

