

Technical proposal for JX-CD2-152M175M-75NF Duplexer

◆ High Performance

◆ High Reliability

Revision History

Version	Date	Author	Revision description	Comment
V1.0	2024/03/12	Vivian	Created	/
V1.1	2024/03/13	Vivian	Updated the Power	/

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1. Mechanical layout

Table 1 Mechanical specifications

Dimension	L x W x H: 220mm x206mm x 35mm
Connectors	N-Female
Weight	1.7KG
Notes	Material shall be RoHS 6/6

2. Electrical analysis

Table 2 Electrical specifications

Item	Parameter	Specifications		
1	Frequency Range	152-175MHz		
2	VSWR	≤1.40		
3	Bandwidth(KHz)	±300KHz	±500KHz	±300KHz
4	Frequency Spacing	>6-15MHz	>4-6MHz	>3.8-5MHz
5	Insertion Loss	≤1.5dB	≤1.2dB	≤1.5dB
6	Isolation	≥75dB		
7	Power	30W @ Each Port		
8	Operational Temperature	-20°C~+50°C		
9	Impedance	50ohm		

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