

# Technical proposal for JX-LCC2-DC520M-40N LC Combiner

◆ High Performance

◆ High Reliability

## Revision History

Version	Date	Author	Revision description	Comment
V1.0	2021/11/22	Lin liqun	Created	/

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## 1. Mechanical layout

Table 1 Mechanical specifications @ JX-LCC2-DC520M-40N

Dimension	L x W x H: 103mm x 79.6mm x 31mm
Connectors	N-Female
Finish	Black (paint spraying)
Notes	Material shall be RoHS 6/6

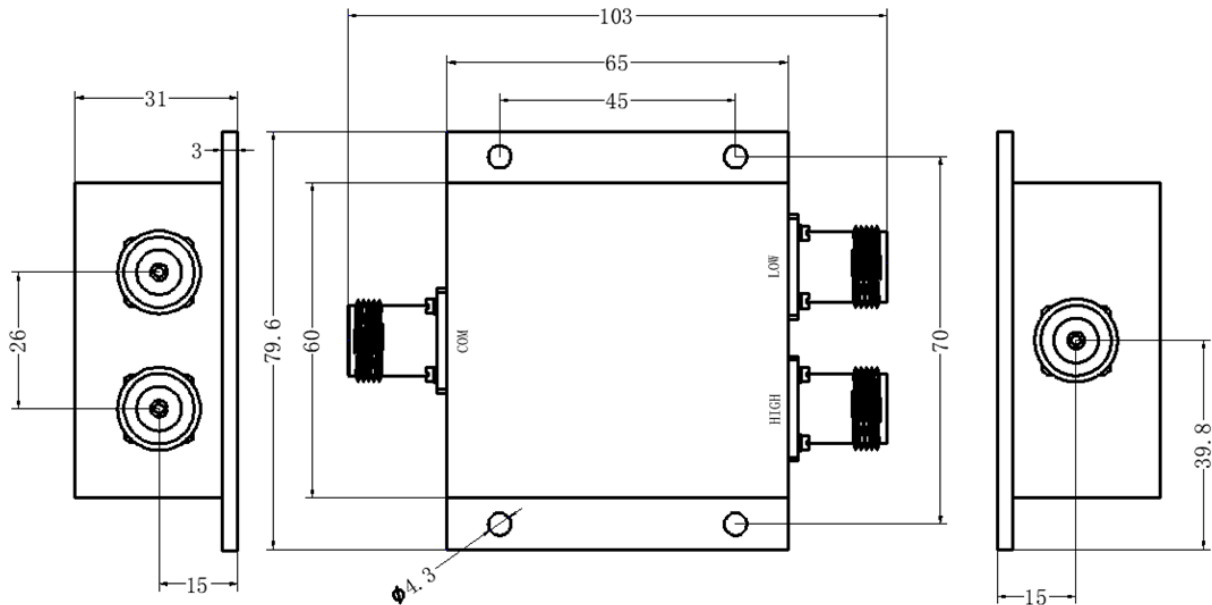


Figure 1 JX-LCC2-DC520M-40N front panel layout

## 2. Electrical analysis

### 2.1 Electrical specification

Table 2 Electrical specifications @JX-LCC2-DC520M-40N

Item	Parameter	LOW	HIGH
1	Frequency range	DC-400MHz	440-520MHz
2	Insertion loss	≤1.0dB	≤1.0dB
3	VSWR	≤1.5	≤1.5
4	Isolation	≥40dB@ 440-520MHz	≥40dB@ DC-400MHz
5	Power	50W CW	
6	Impedance	50Ω	
7	Temperature range	-30°C to +60°C	

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2.2 The simulation curve

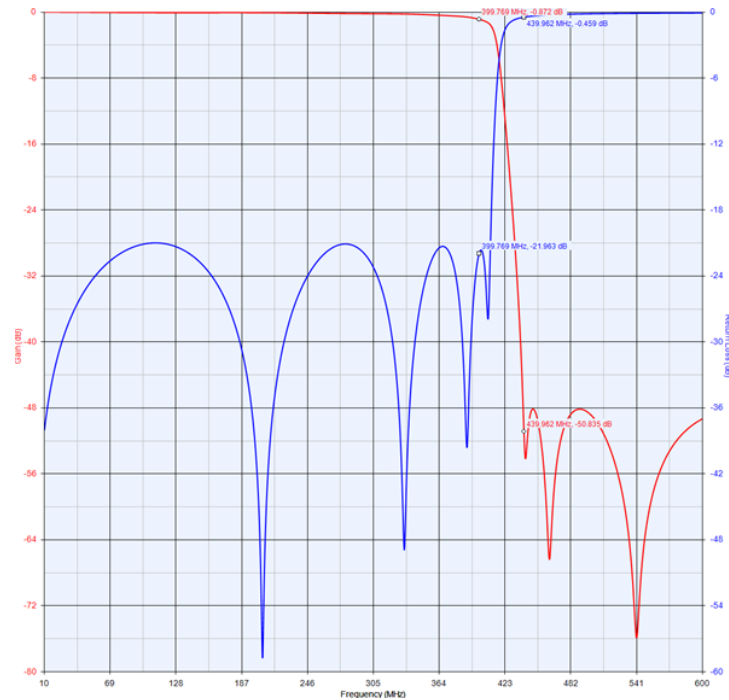


Figure 2 The simulation curve LOW band

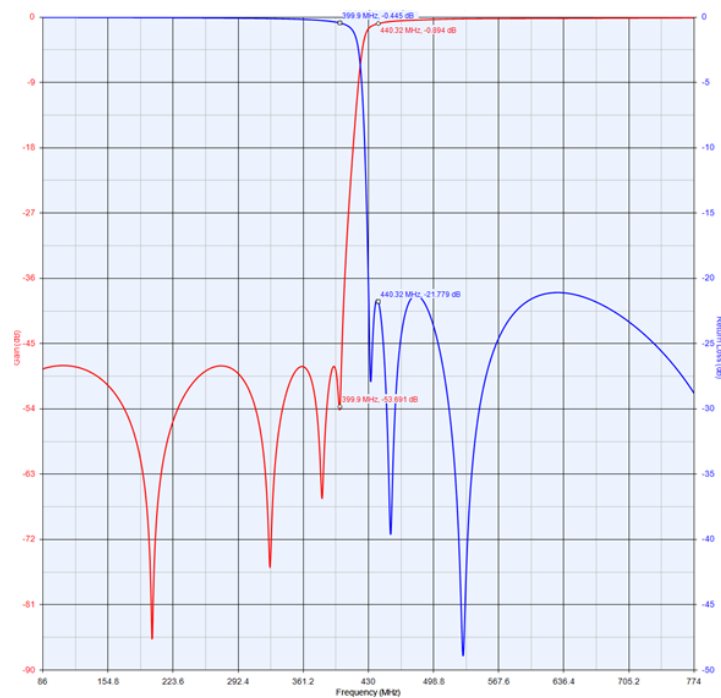


Figure 3 The simulation curve HIGH band

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