

# Technical proposal for JX-CC3-880M2170M-60N Cavity Combiner

◆ Small volume

◆ High Reliability

## Revision History

Version	Date	Author	Revision description	Comment
V1.0	2023/11/15	Sam Chen	Created	/
V1.1	2023/11/21	Sam Chen	Update	/

## Table of content

Technical proposal for JX-CC3-880M2170M-60N Cavity Combiner .....	1
1. Mechanical layout.....	2
2. Electrical analysis.....	3
2.1 Electrical specifications .....	3
2.2 The simulation curve .....	3

## Figures

Figure 1 JX-CC3-880M2170M-60N front panel layout .....	2
Figure 2 The simulation curve of the combiner .....	3

## Tables

Table 1 Mechanical Specifications @ JX-CC3-880M2170M-60N.....	2
Table 2 Electrical specifications @ JX-CC3-880M2170M-60N .....	3

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## 1. Mechanical layout

Table 1 Mechanical Specifications @ JX-CC3-880M2170M-60N

Dimension	LxWxH: 146mm x 121mm x 44mm (50.0mm Max)
Port connectors	N-Female
Finish	Black Epoxy Painting
Notes	Material shall be RoHS 6/6

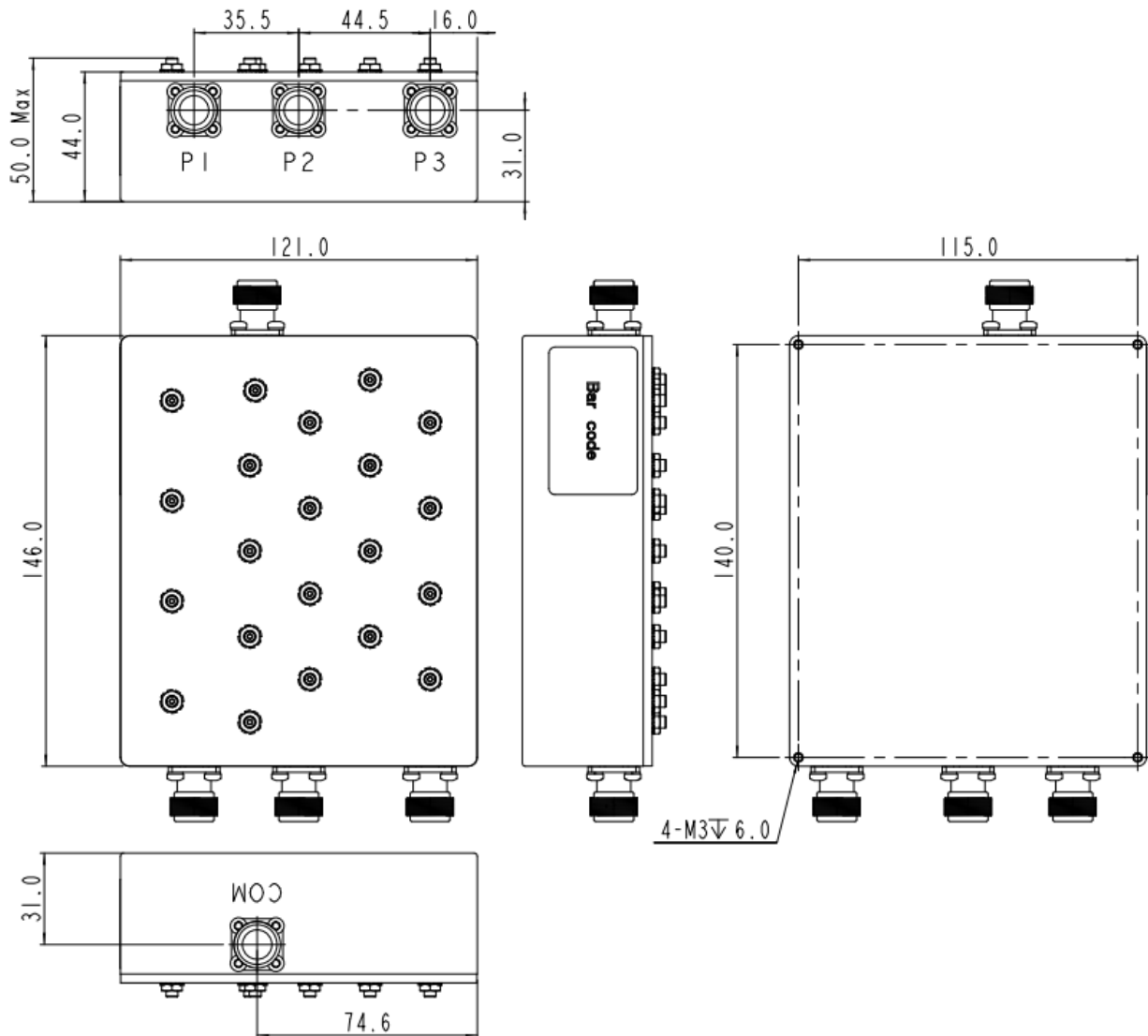


Figure 1 JX-CC3-880M2170M-60N front panel layout

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## 2. Electrical analysis

### 2.1 Electrical specifications

Table 2 Electrical specifications @ JX-CC3-758M960M-50N

Item	Parameter	P1	P2	P3
1	Frequency range	880-960MHz	1710-1880MHz	1920-2170MHz
2	Return loss	≥18dB		
3	Insertion Loss in BW	≤1.0dB		
4	Ripple in BW	≤0.5dB		
5	Rejection	≥60dB @ each port		
6	Input Power	100W max		
7	Temp. Range	-30°C to +70°C		
8	Impedance	50 Ω		

### 2.2 The simulation curve

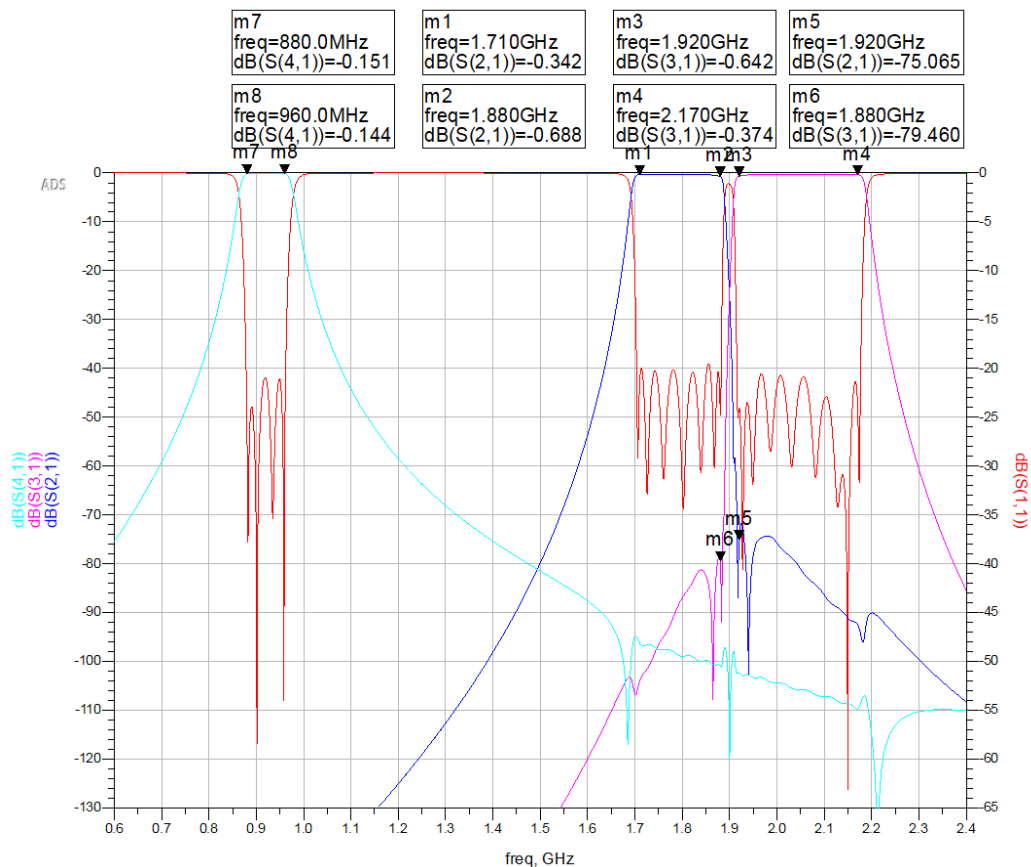


Figure 2 The simulation curve of the combiner

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