

Technical proposal for JX-CC4-1710M2690M-80S43 Cavity Combiner

◆ High Rejection

◆ High Reliability

Revision History

Version	Date	Author	Revision description	Comment
V1.0	2023/05/05	Sam Chen	Created	/

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1. Mechanical layout

Table 1 Mechanical specifications @ JX-CC4-1710M2690M-80S43

Dimension	LxWxH: 240mm x 208mm x 40mm
Connectors	Com:4310-Female, Port1, Port2, Port3, Port4: SMA-Female
Finish	Interior : Aluminium alloy plating; Outside: Conductive oxidation of aluminium alloys
Notes	Material shall be RoHS 6/6

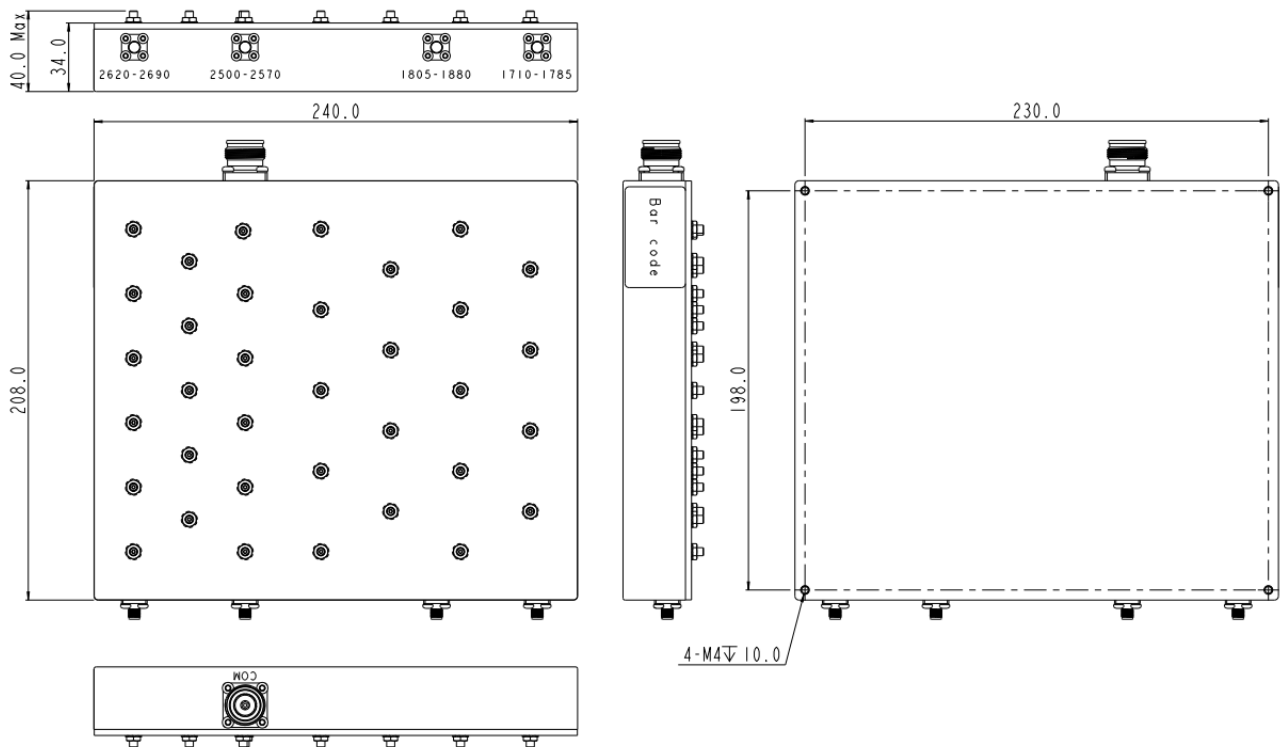


Figure 1 JX-CC4-1710M2690M-80S43 front panel layout

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2. Electrical analysis

2.1 Electrical specification

Table 2 Electrical specifications @ JX-CC4-1710M2690M-80S43

Item	Parameter	Specification			
		1710-1785MHz	1805-1880MHz	2500-2570MHz	2620-2690MHz
1	Frequency range	1710-1785MHz	1805-1880MHz	2500-2570MHz	2620-2690MHz
2	Insertion loss	≤0.8dB			
3	In Band Ripple	≤0.5dB			
4	Reflection Loss	≥18dB			
5	Isolation	≥80dB			
6	Power Rating	100W CW			
7	Impedance	50Ω			

2.2 The simulation curve

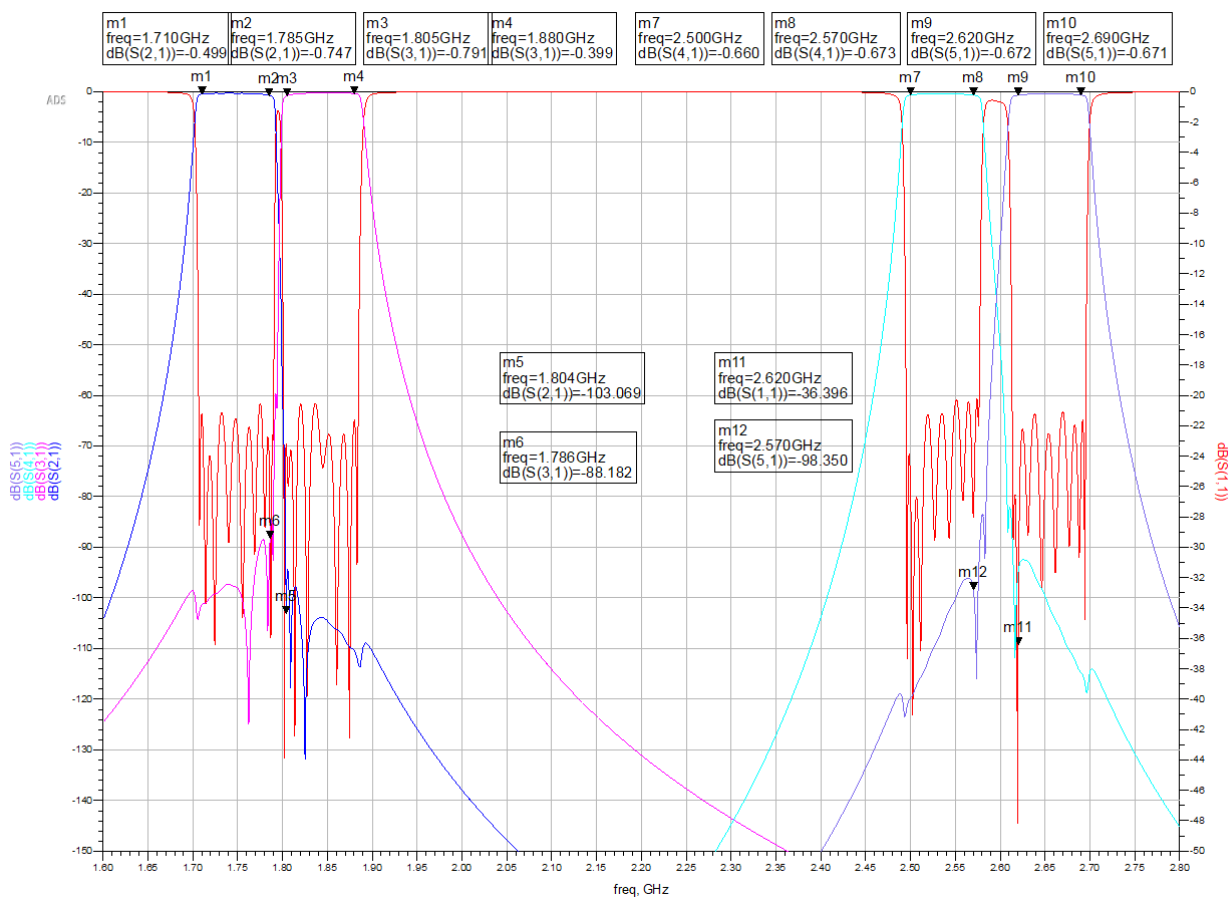


Figure 2 The simulation curve of the JX-CC4-1710M2690M-80S43

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