

Technical proposal for JX-CC5-830M2570M-30S Combiner

Revision History

Version	Date	Author	Revision description	Comment
V1.0	2018/10/10	Sam Chen	Created	/

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1. Mechanical layout

Table 1 Mechanical Specifications

Dimension	L x W x H: 215mm x 140mm x 34mm(± 0.2 mm)
Port connectors	SMA-Female
Finish	Silver
Notes	Material shall be RoHS 6/6

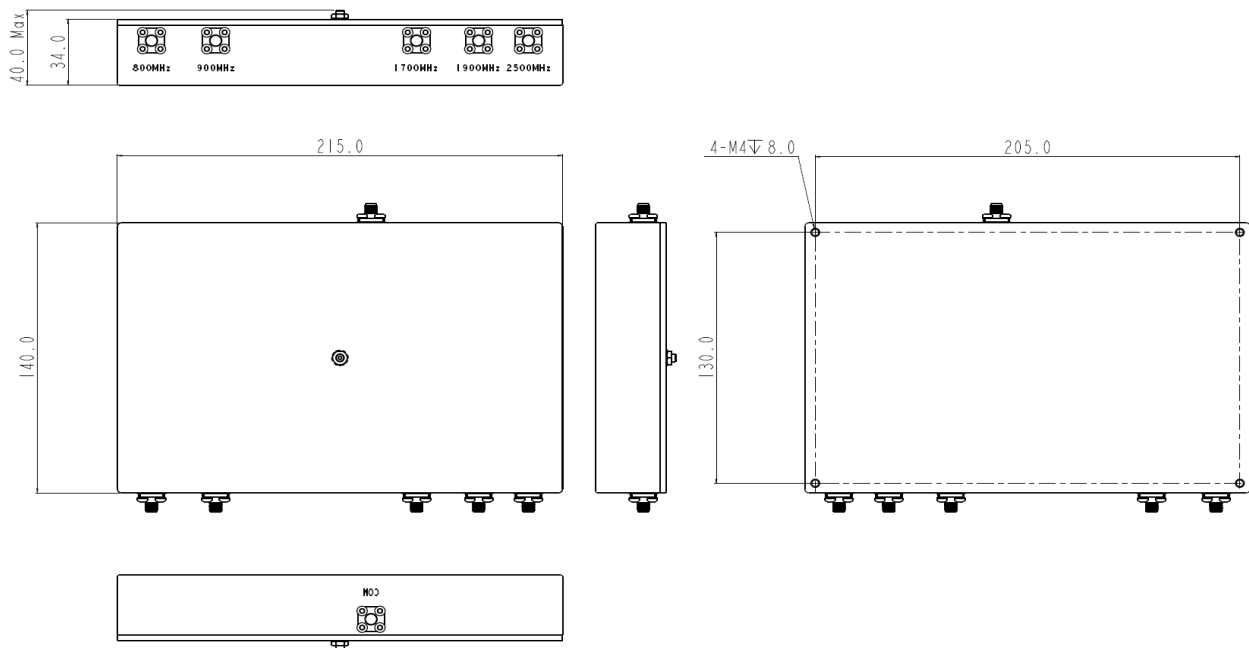


Figure 1 JX-CC5-830M2570M-30S Combiner front panel layout

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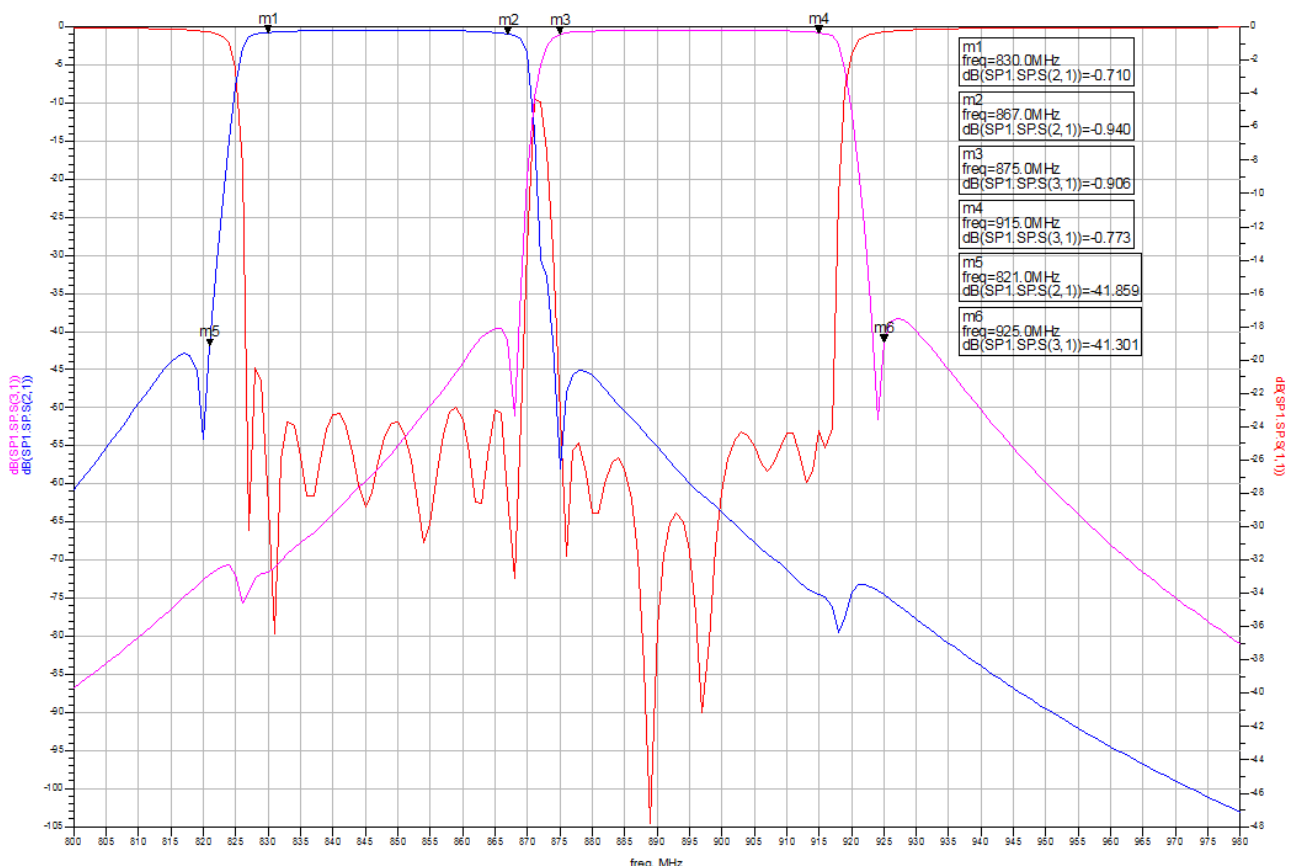
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2. Electrical analysis

Table 2 Electrical specifications

Item	Parameter	800MHz	900MHz	1700MHz	1900MHz	2500MHz	JX
1	Frequency Range	830-867MHz	875-915MHz	1705-1785MHz	1915-1985MHz	2495-2570MHz	OK
2	Insertion loss	≤1.0dB			≤0.8dB		OK
3	Return Loss	≥17dB					OK
4	Rejection	≥30dB@821MHz	≥30dB@925MHz	≥30dB@1805 MHz	≥30dB@1880 MHz ≥50dB@2110 MHz	≥30dB@2620 MHz	OK
5	Power	1W					OK
6	Impedance	50Ω					OK
7	Temperature range	-20-70℃					OK
8	Material	In door use					OK

The simulation curve



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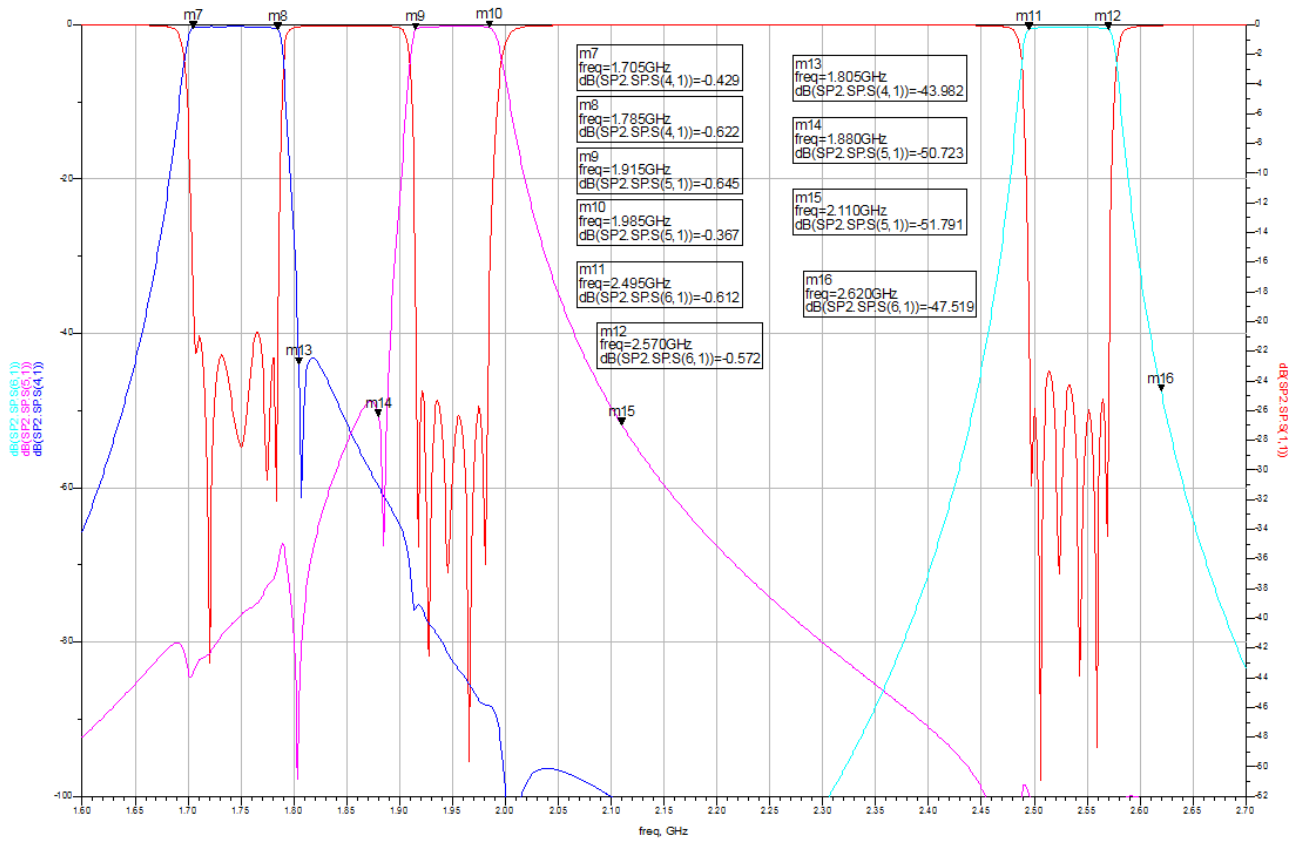
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Professional manufacturer of
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