

# Technical proposal for JX-CC4-824M1990M-65BS Multiplexer

## Revision History

Version	Date	Author	Revision description	Comment
V1.0	2018/11/13	Sam Chen	Created	/
V1.1	2018/11/20	Sam Chen	Update technical proposal	/

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## 1. Mechanical layout

Table 1 Mechanical Specifications

Dimension	L x W x H: 155mm x 110mm x 25.5mm( $\pm 0.2$ mm)
Port connectors	SMA-Female
Finish	Silver
Notes	Material shall be Ro HS 6/6

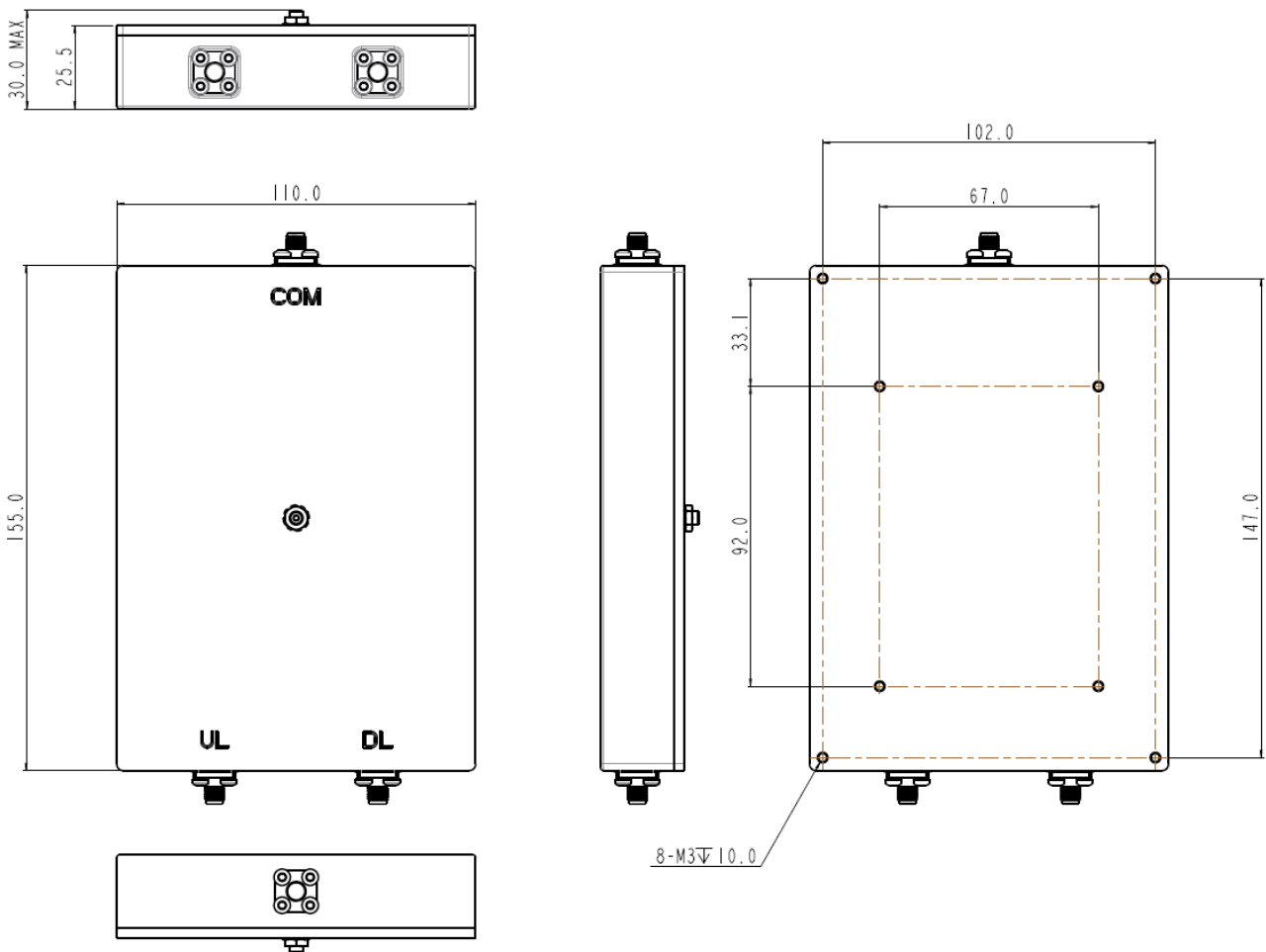


Figure 1 JX-CC4-824M1990M-65BS Multiplexer front panel layout

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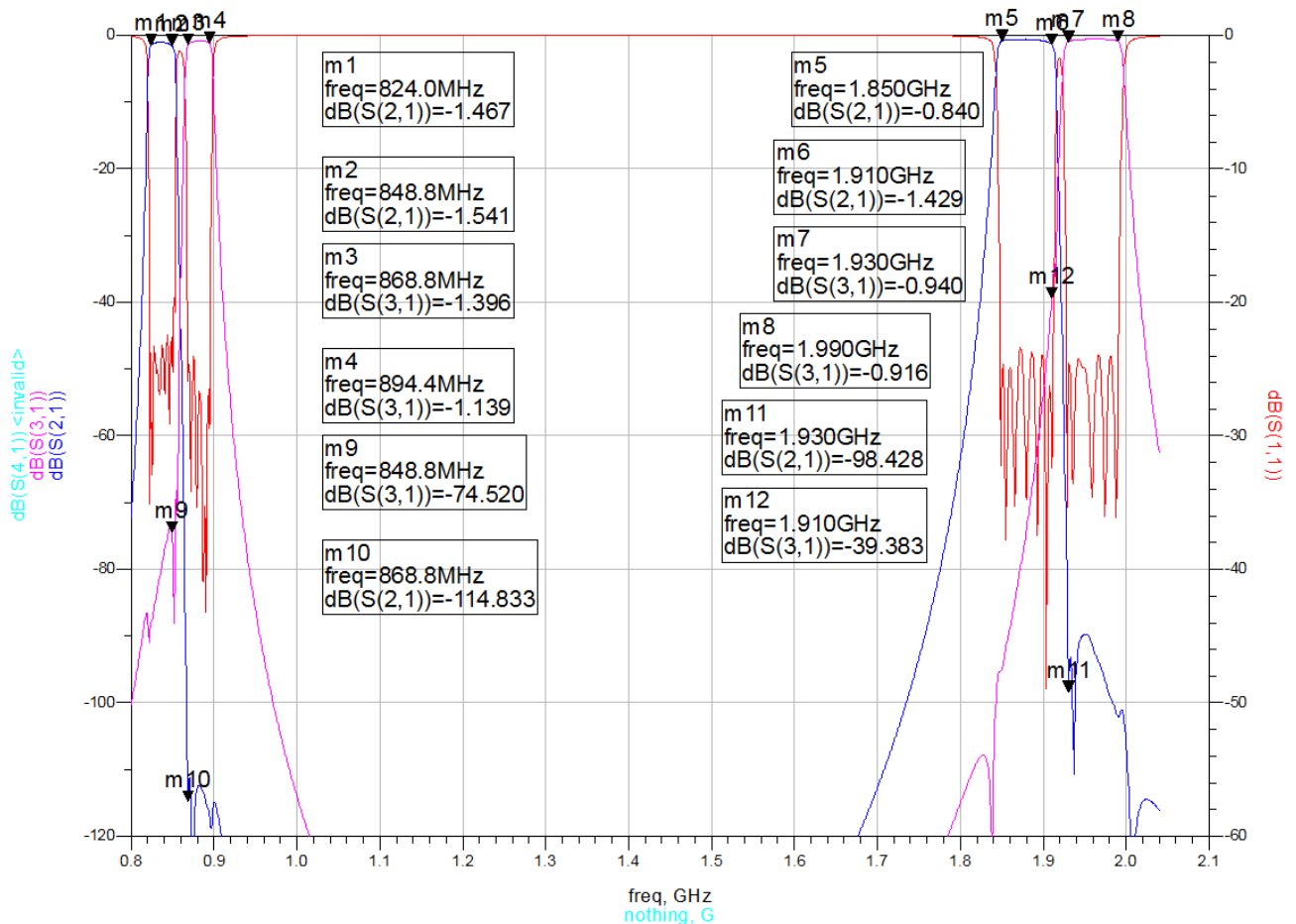
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## 2. Electrical analysis

Table 2 Electrical specifications

Item	Parameter	DL	UL	JX
1	Frequency Range	869-894MHz&1930-1990MHz	824-849MHz&1850-1910MHz	OK
2	Insertion loss	≤1.5dB	≤2.0dB	OK
3	Return Loss	≥15dB		OK
4	Rejection	≥20dB@824-849MHz ≥20dB@1850-1910MHz	≥65dB@869-894MHz ≥65dB@1930-1990MHz	OK
5	Power	1 Watt		OK
6	Impedance	50 Ω		OK
7	Temperature range	0-70℃		OK
8	Material	In door use		OK

The simulation curve



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