PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

Product Name : Diplexer 2.7GHz

Part No : MDI-C1658.5-C5350_2083M-5300MN-A-R1

	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2026.04.08	Jeffrey Chung	Michael Jeon
2	R1	Draft	2026.04.17	Jeffrey Chung	Michael Jeon

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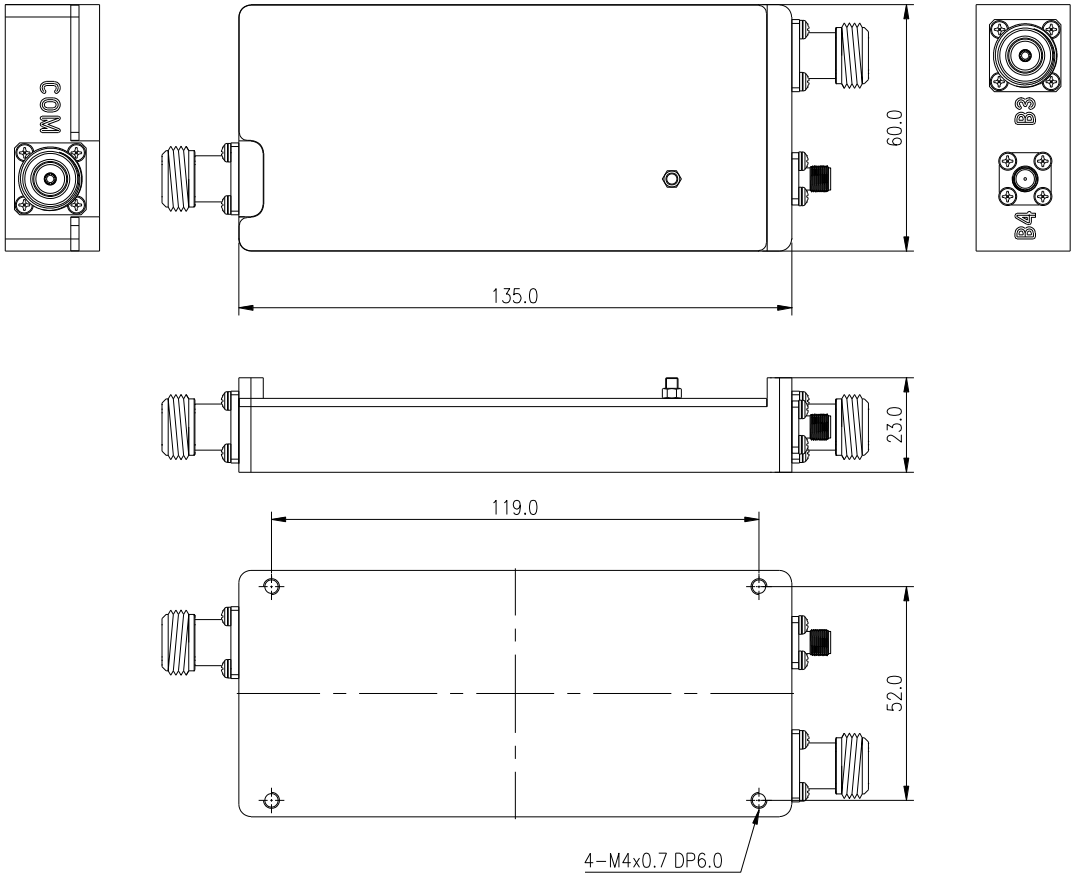
■ Mechanical Drawing



■ Electrical Specification

Parameter	Specification		Remark
1. Passband	Band3: 617~2700MHz	Band4: 3000~8000MHz	Proposal
2. Insertion Loss in Passband	1.0dB Max		Proposal
3. Return Loss	12dB Min.		Proposal
4. Isolation	20dB Max		Proposal
5. Power Handling	150 W Max CW	60 W Max CW	OK
6. In/Out Impedance	50 Ohm		OK
7. Connectors	N(F)	SMA(F)	OK
8. Common Port	N(F)		OK
9. Dimension [WxDxH]	60.0 x 135.0 x 23.0 mm		Proposal
10. Operating Temp. Range	-30℃ ~ +55℃		TBD
11. Finish	Black Color Epoxy coating (expect bottom)		OK

Remarks: This is a preliminary datasheet for reference.

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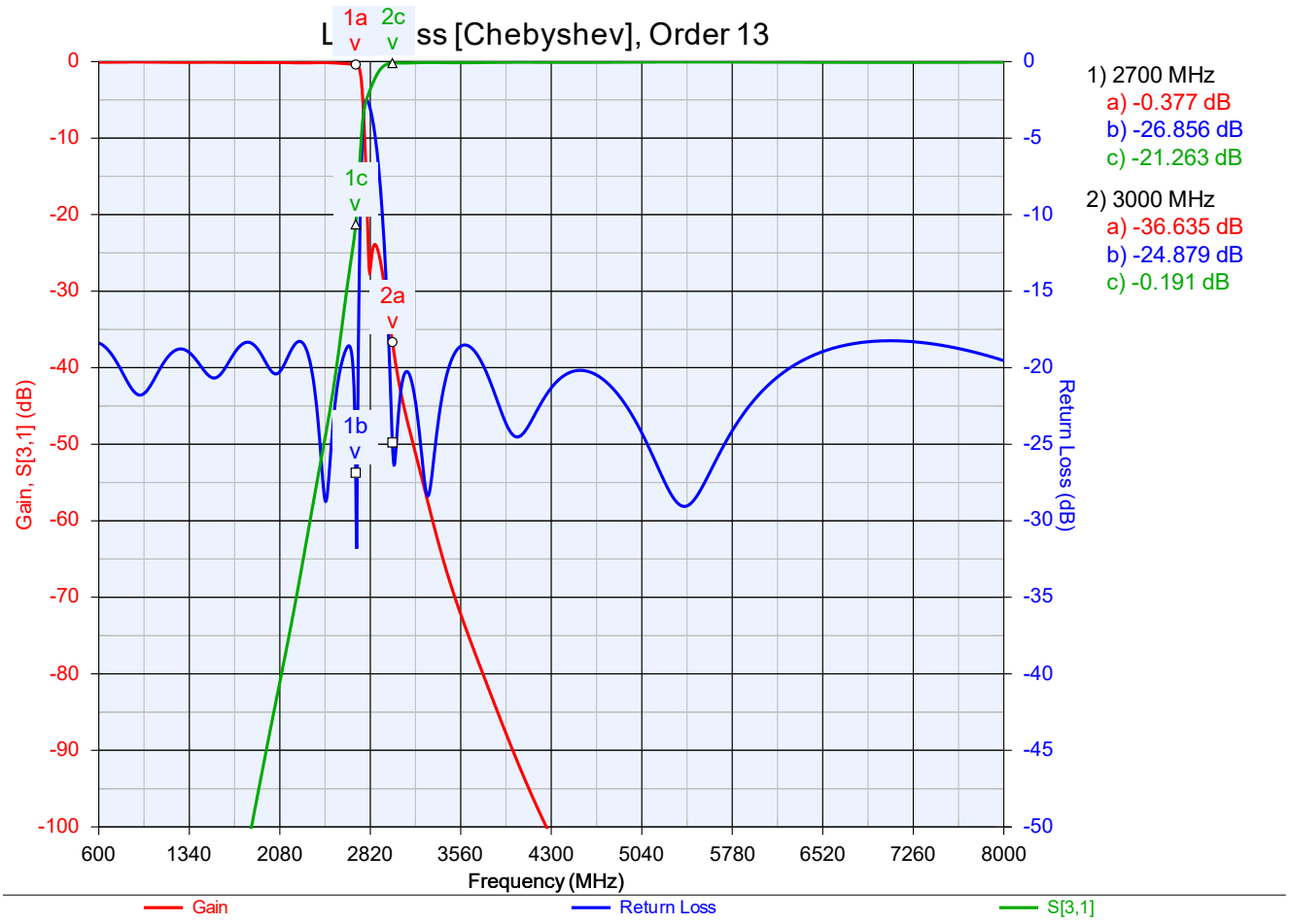
■ Simulation Curve



1) 2700 MHz
a) -0.377 dB
b) -26.856 dB
c) -21.263 dB

2) 3000 MHz
a) -36.635 dB
b) -24.879 dB
c) -0.191 dB

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