

PRODUCT SPECIFICATION FOR INFORMATION

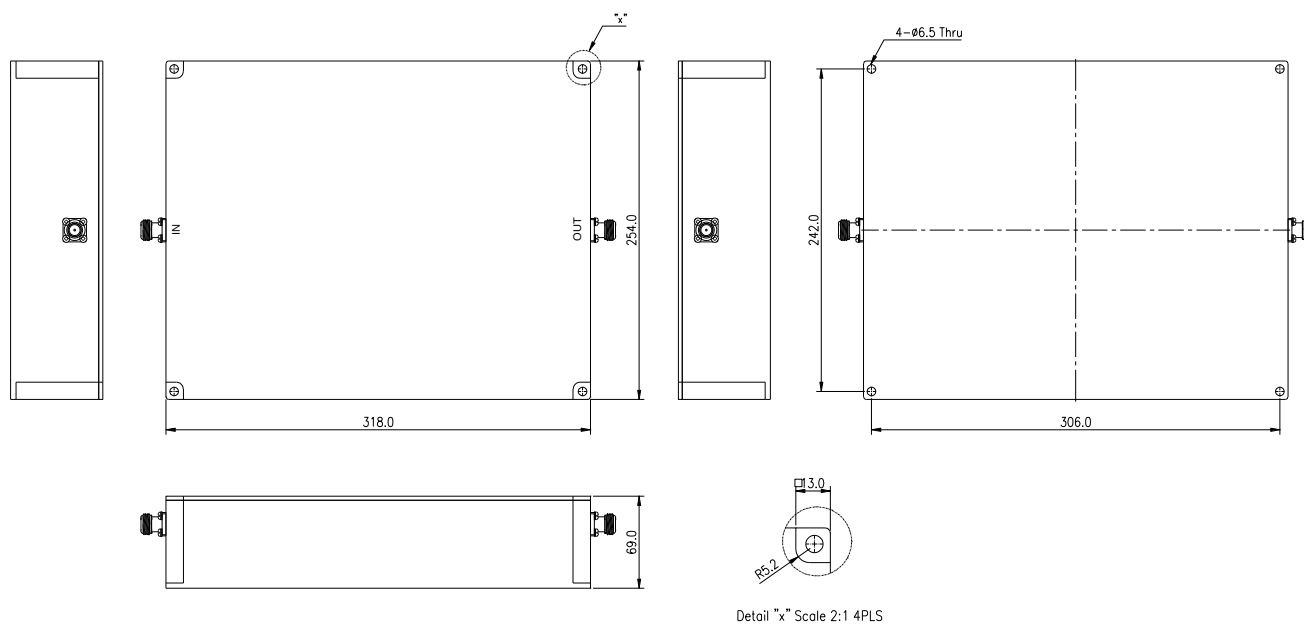
FINAL SPECIFICATION

Product Name : Cavity Band Pass Filter

Part No : MBP-C1585_52MN-A-R1

	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2024.09.23	Jeffrey Chung	Michael Jeon
2	R1	Change power & attenuation	2024.11.11	Jeffrey Chung	Michael Jeon
3					
4					

■ Mechanical Drawing



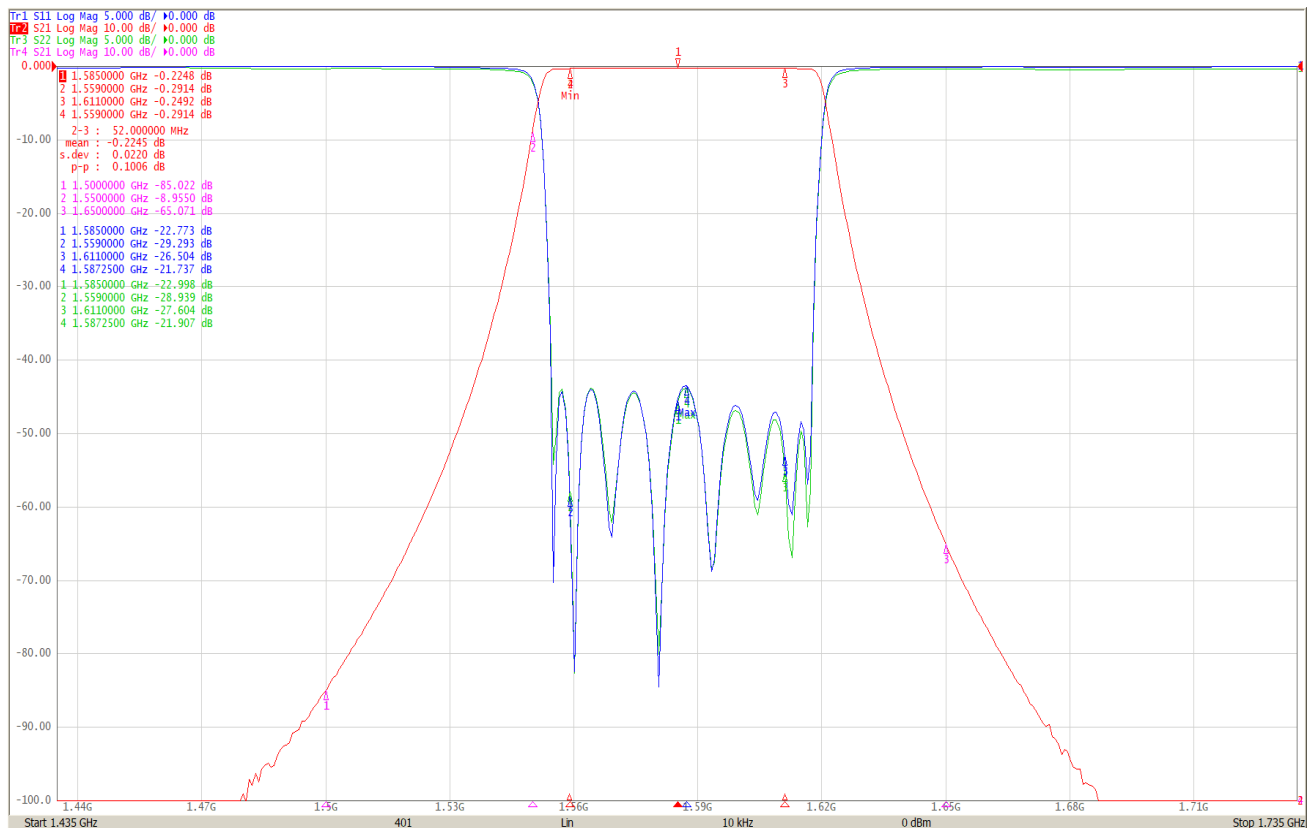
■ Electrical Specification

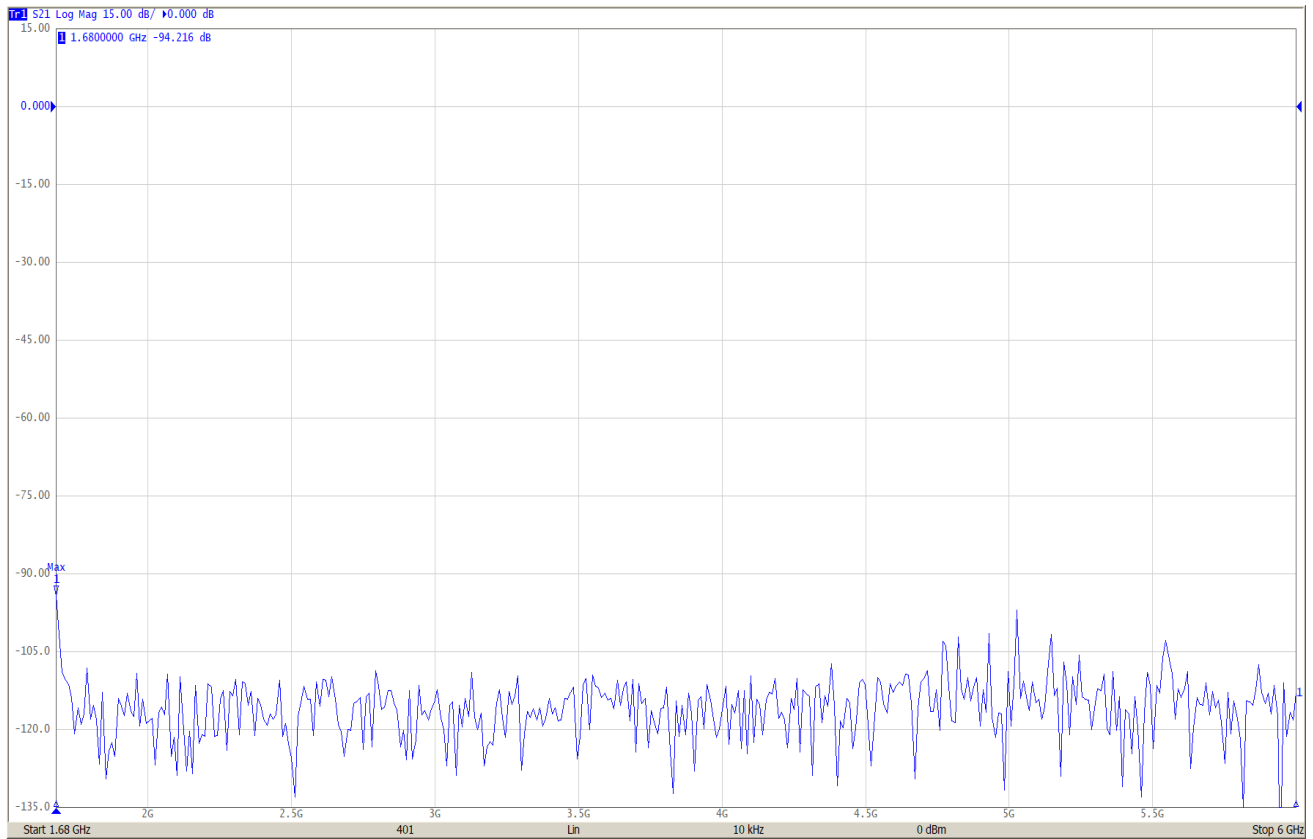
Parameter	Specification	Remark
1. Center Frequency	1585 MHz	
2. Bandwidth [BW]	Fc ±26MHz[1559~1611MHz]	
3. Insertion Loss in BW	0.5dB Max.	
4. Ripple (pass band)	±0.15dB Max.	
5. Return Loss	12dB Min.	
6. Rejections	80dB Min.@ DC~ 1485MHz	
	40dB Min.@ 1500MHz	
	3dB Min.@ 1550MHz	
	40dB Min.@ 1650 MHz	
	80dB Min.@ 1680~ 6000MHz	
7. In/Out Impedance	50 Ohm	
8. Power Handling	CW 500Watt	
9. Dimension [WxDxH]	254.0 x 318.0 x 69.0 mm	
10. Weight	About 4.5kg Max.	
11. Connector	N(F)	
12. Finish	Powder Gray	

■ Environmental Specification

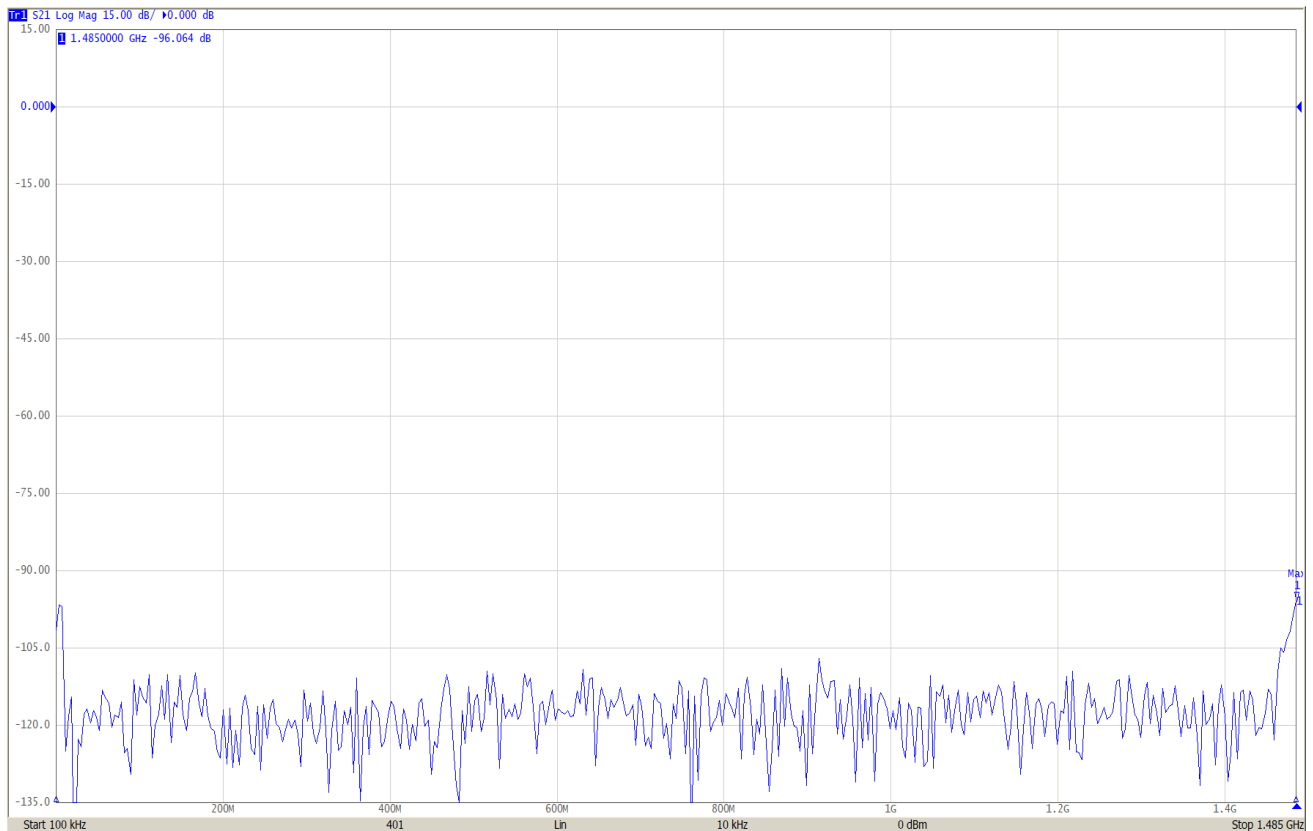
Parameter	Specification		Applicable Standard	Remark
	Non Operating	Operating		
1. Temperature (Ambient)	-20 ~ +71°C	-10 ~ +71°C	MIL-STD-810G1, Methods 501.6&502.6, Procedures I & II	OK
2. Humidity	Up to 95%RH (including condensation)		MIL-STD-810F, Method 507.4	OK
3. Altitude	Up to 15,000 feet	Up to 8,200 feet	MIL-STD-810F, Method 500.4, Proc. I (Storage) and Proc. II (Operation)	OK
4. Salt Fog	5% NaCl solution for 500 hrs		MIL-STD-810F, Method 509.4	OK
5. Fungus	Fungi-inert materials shall be used		MIL-HDBK-454B, Guideline 4	OK
6. Vibration	Transportation: Figure 514.5C-1, 60min/axis	NA	MIL-STD-810F Method 514.5 Procedure I	OK
7. Mechanical Shock	Transportation: 1.22m, 26 drops	NA	MIL-STD-810F Method 516.5, Procedure IV	OK
8. Dust	Dust – 6 Hours in room temperature 6 hours in high temperature		MIL-STD-810F, Method 510.4, Proc. I&II	OK
9. Drip	Drip (for partly protected equipment)		MIL-STD-810G, Method 506.6 Procedure III	OK

■ Test Curve





[Rejection_1680 ~ 6000MHz]



[Rejection_DC ~ 1485MHz]