

PRODUCT SPECIFICATION FOR INFORMATION

FINAL SPECIFICATION

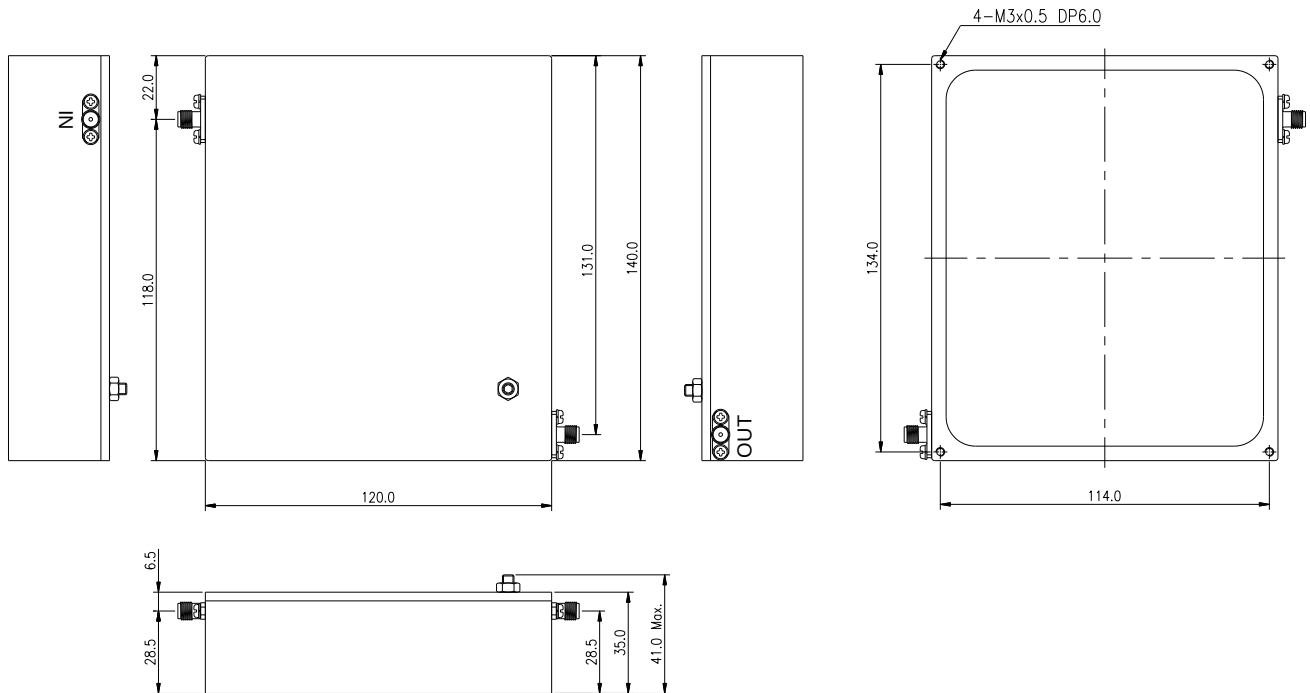
Product Name: GDT Band Pass Filter

Part No: MBP-C2852.5_95MS-C-R2

■ History List

No.	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2023.11.17	Jeffrey Chung	Michael Jeon
2	R1	Insertion loss_1.0 Max, Rejection changed	2023.11.22	Jeffrey Chung	Michael Jeon
3	R2	Change dimension	2023.11.30	Jeffrey Chung	Michael Jeon

■ Mechanical Drawing



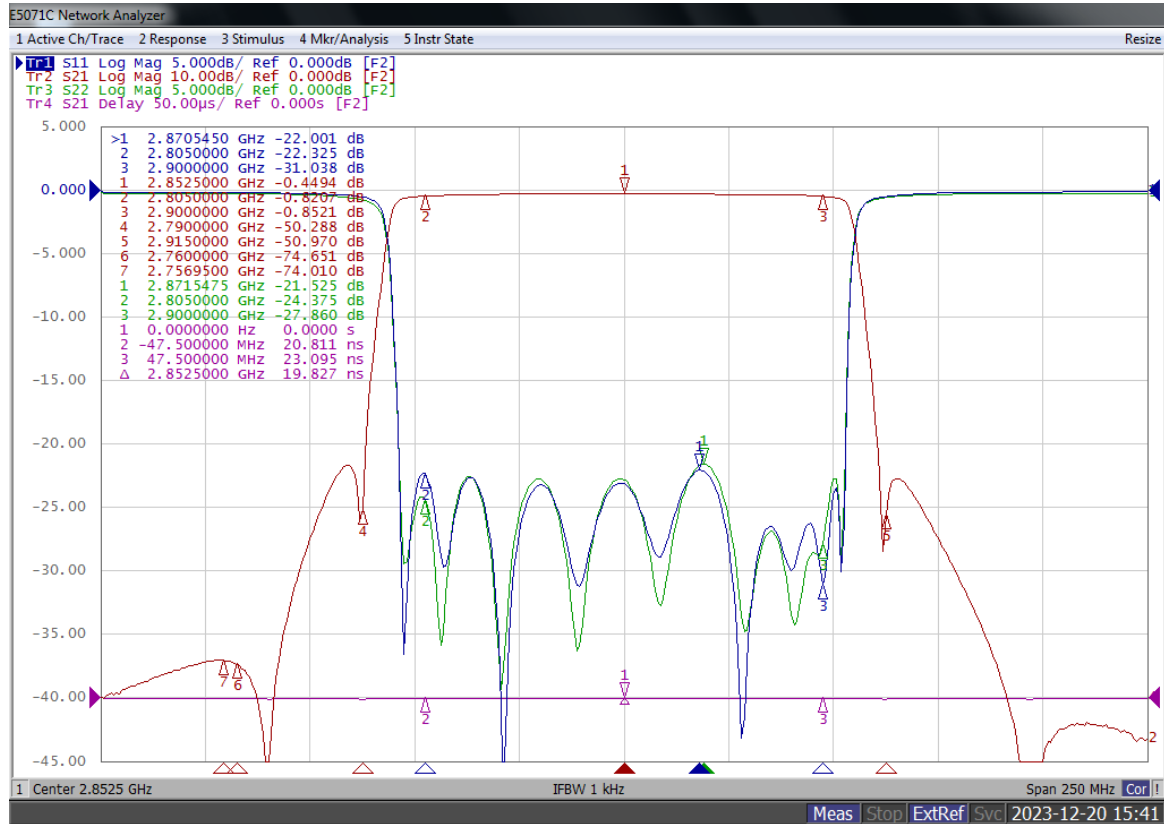
■ Environmental Qualification Standard

Parameter	Specification
Temperature High	Operating: +85°C MIL-STD-810F, method 501.4, proc. II
Temperature Low	Operating: -40°C MIL-STD-810F, method 502.4, proc. I
Humidity	Temperature: +30°C - +60°C RH: 95% MIL-STD-810F, method 507.4, procedure I
Salt fog	Salt Solution 6.5-7.2 pH at 35°C MIL-STD-810F, method 509.4
Fungus	MIL-STD-810G, method 508.5. (or accordance MIL-HDBK-454B, Guideline 4)
Rain	Rainfall rate of 100 [mm/hour] MIL-STD-810F, method 506.4, proc. I
Vibration (Transportation)	MIL-STD-810G method 514.6 Figure 514.5C-9 and in accordance with Table 3 and Figure 9
Temperature/Altitude	Operation: 35,000 feet Storage : 40,000 feet

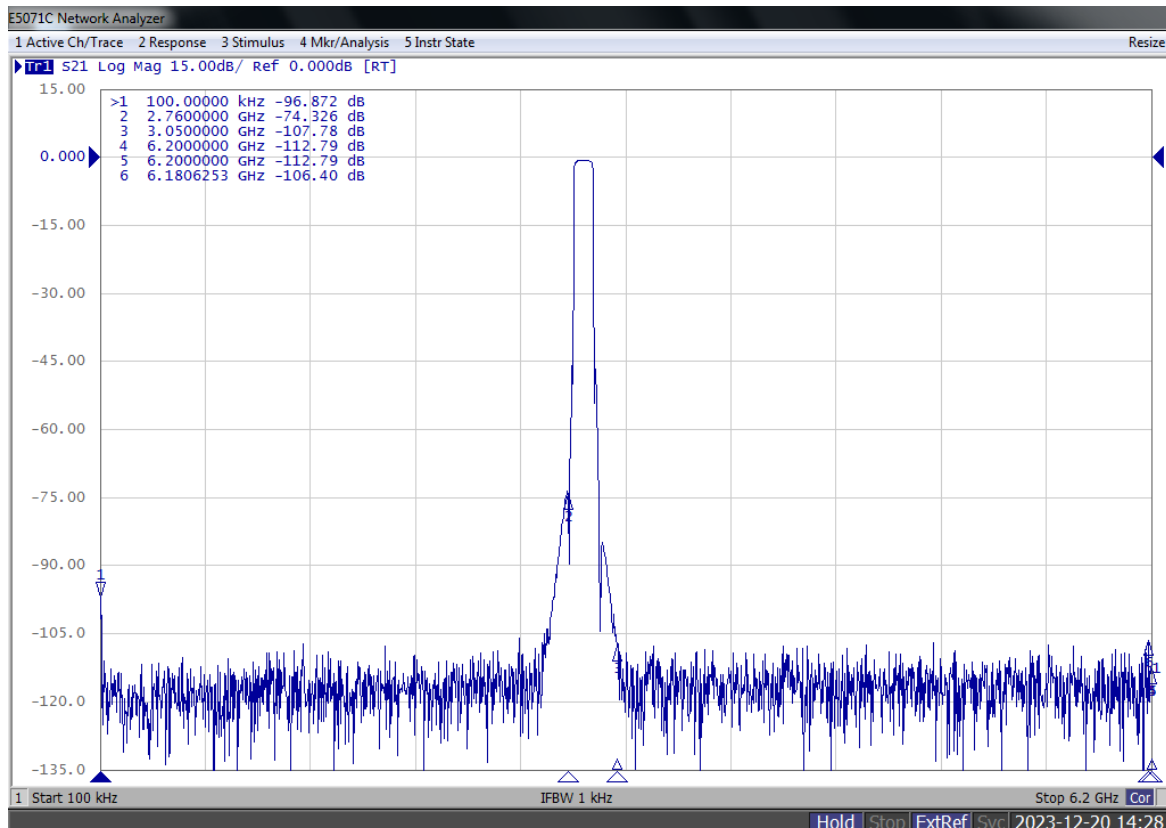
■ Electrical Specification

Parameter	Specification	Remark
1. Center Frequency	2852.5MHz	
2. Frequency Range	$F_c \pm 47.5$ [2805~2900] MHz	
3. Insertion Loss	1.0dB Max. Room. 1.2dB Max. Temp.	
4. Return Loss	14dB Min.	
5. Group Delay	80ns Max.	Deviation
6. Rejection	40 dBc Min. @ 2790MHz	
	40 dBc Min. @ 2915MHz	
	70 dBc Min. @ DC-2760MHz	
	70 dBc Min. @ 3050-6200MHz	
	50 dBc Min. @ 6300-11600MHz	
7. Continuous power handling	30W Max.	
8. In/Out Impedance	50 Ohms nominal	
9. Operation Temperature Range	-40°C ~ +85°C	
10. Humidity	Up to 95% RH @35deg C	
11. Altitude	Up to 10,000 feet	
12. Dimension [WxDxH] [mm]	140.0x120.0x35.0	
13. Weight	1.1kg Max.	
14. Connectors	SMA(F)	
15. Finish	Black Epoxy Coating	

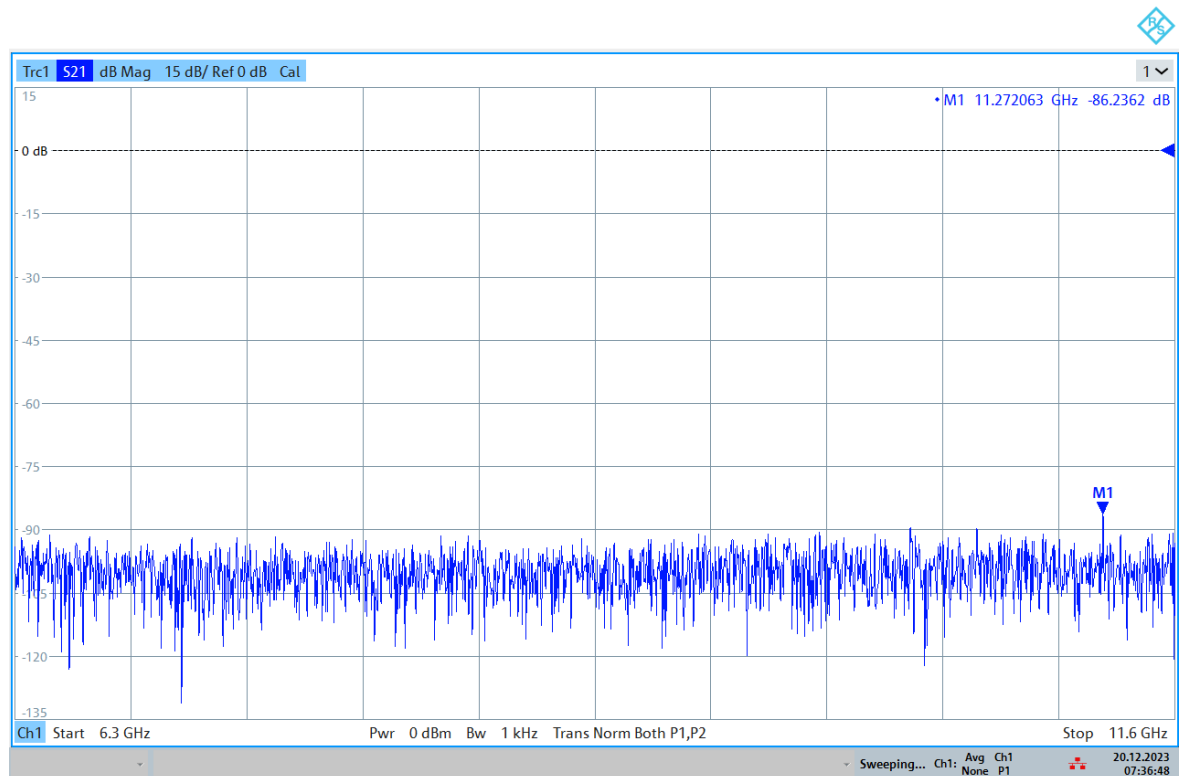
Test Curve



[Near End]



[Far End]



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[Ultimate Harmonics]