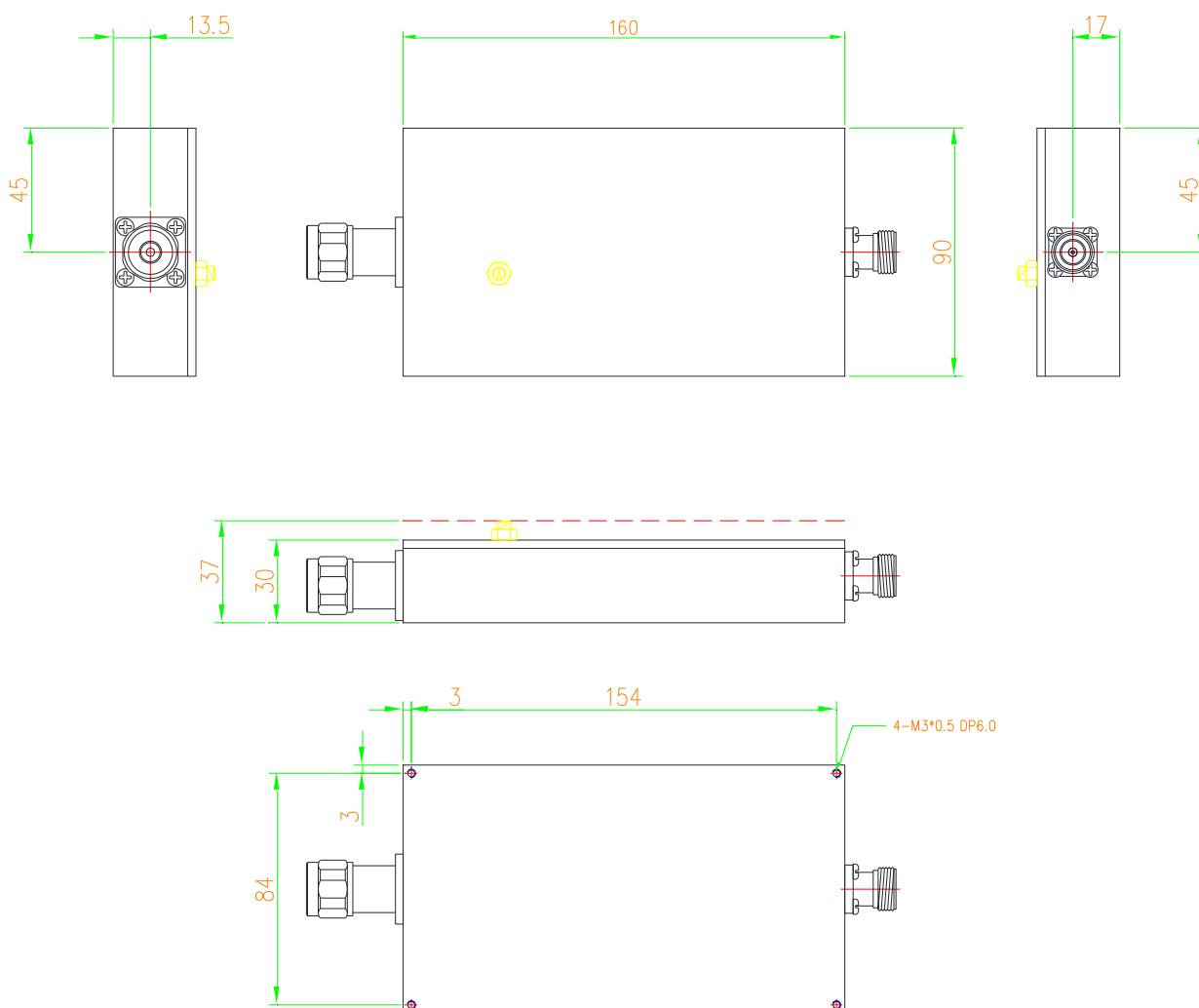


2018. 10. 29.

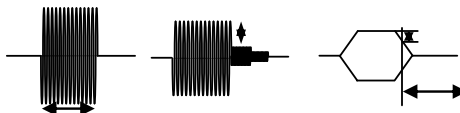
PRODUCT SPECIFICATION FOR INFORMATION

- Customer : THALES LAS
- Product Name : CAVITY FILTER
- Part No : MBP-C1030BP20N

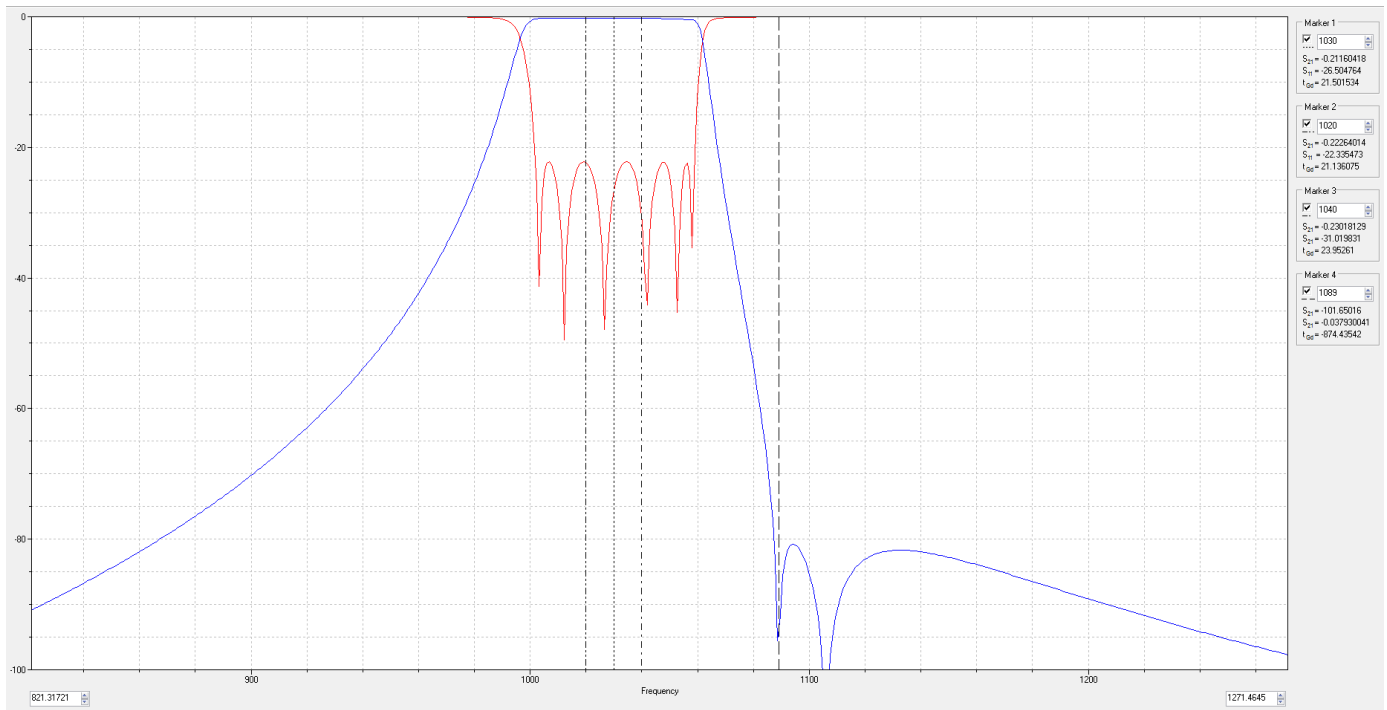


[2D MECHANICAL DRAWING]

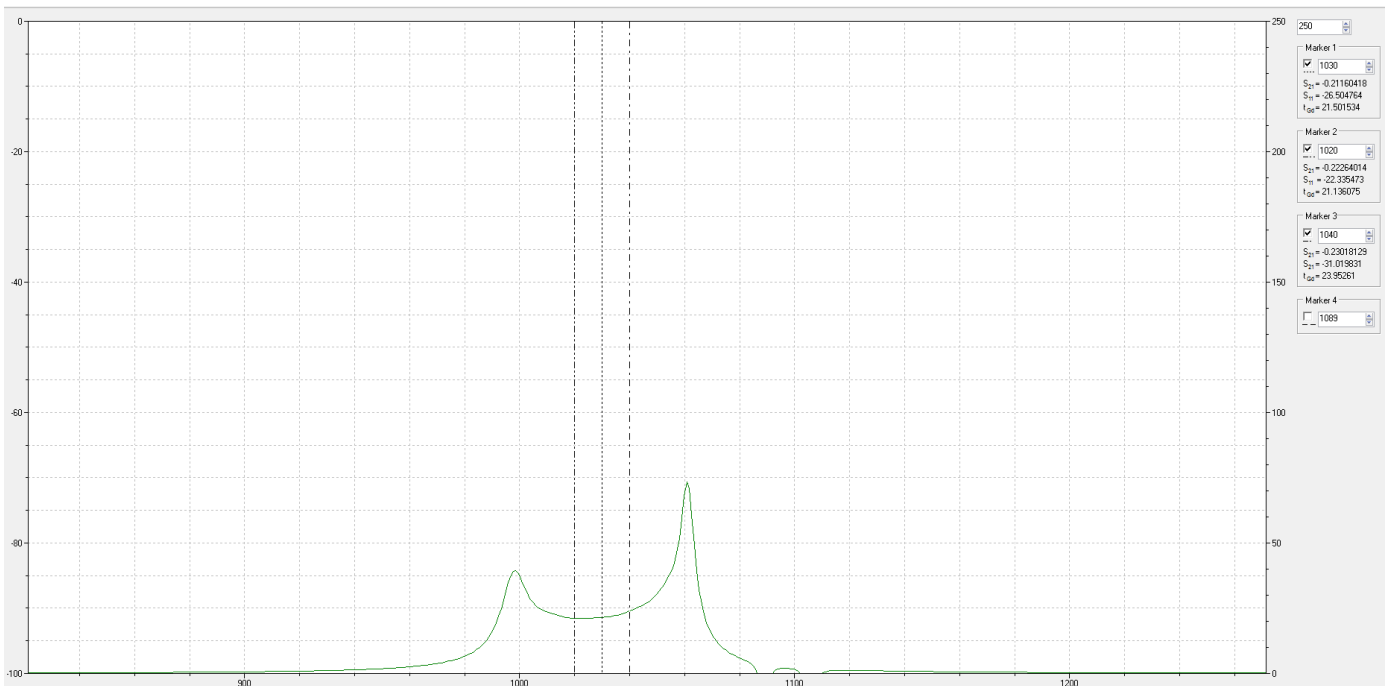
■ ELECTRICAL SPECIFICATION

No	Parameter	Specification	Remark
1	Center Frequency	1030MHz	
2	Band Width	1020 ~ 1040MHz	
3	Insertion Loss @ Fc	0.4dB Max.	
4	Insertion Loss @ Fc	0.3dB Max.	
5	Insertion Loss reproductibility @ FC	0.1dB @ 1030MHz	
6	Amplitude variation in BW	0.2dB Max.	
7	Return Loss (VSWR) in BW	20.8dB Min, 1.2:1 Max	
8	Rejection	80dB min @1089~1091MHz	
9	Phase reproductibility in BW	$\pm 5^\circ$ Max	
10	Group delay variation in BW	5ns Max.	
11	Temporal sidelobe level during pulse and after pulse see fig1	$T > 15\text{ns}$, $> 35\text{dBc}$ $T > 100\text{ns}$, $> 80\text{dBc}$ 	
12	Thermal frequency variation	$+10 \sim +70^\circ\text{C} < 70\text{E-}6^\circ\text{C}$	
13	Average Power Handling (CW)	200 Watt	
14	Peak Power Handling over 32uS	4000W	
15	Peak power over 5mS (at altitude of 10000ft)	2500W	
16	In/Out Impedance	50Ω	
17	Connectors	Input : N-Type(M), Output : N-Type(F)	
18	Operating Temperature	-40°C to $+70^\circ\text{C}$	
19	Dimension	160.0 X 90.0 X 30.0 mm	
20	Finish	Black epoxy coating	

■ Simulation Data



Main [Insertion loss , Return loss ,Rejection]



Group Delay