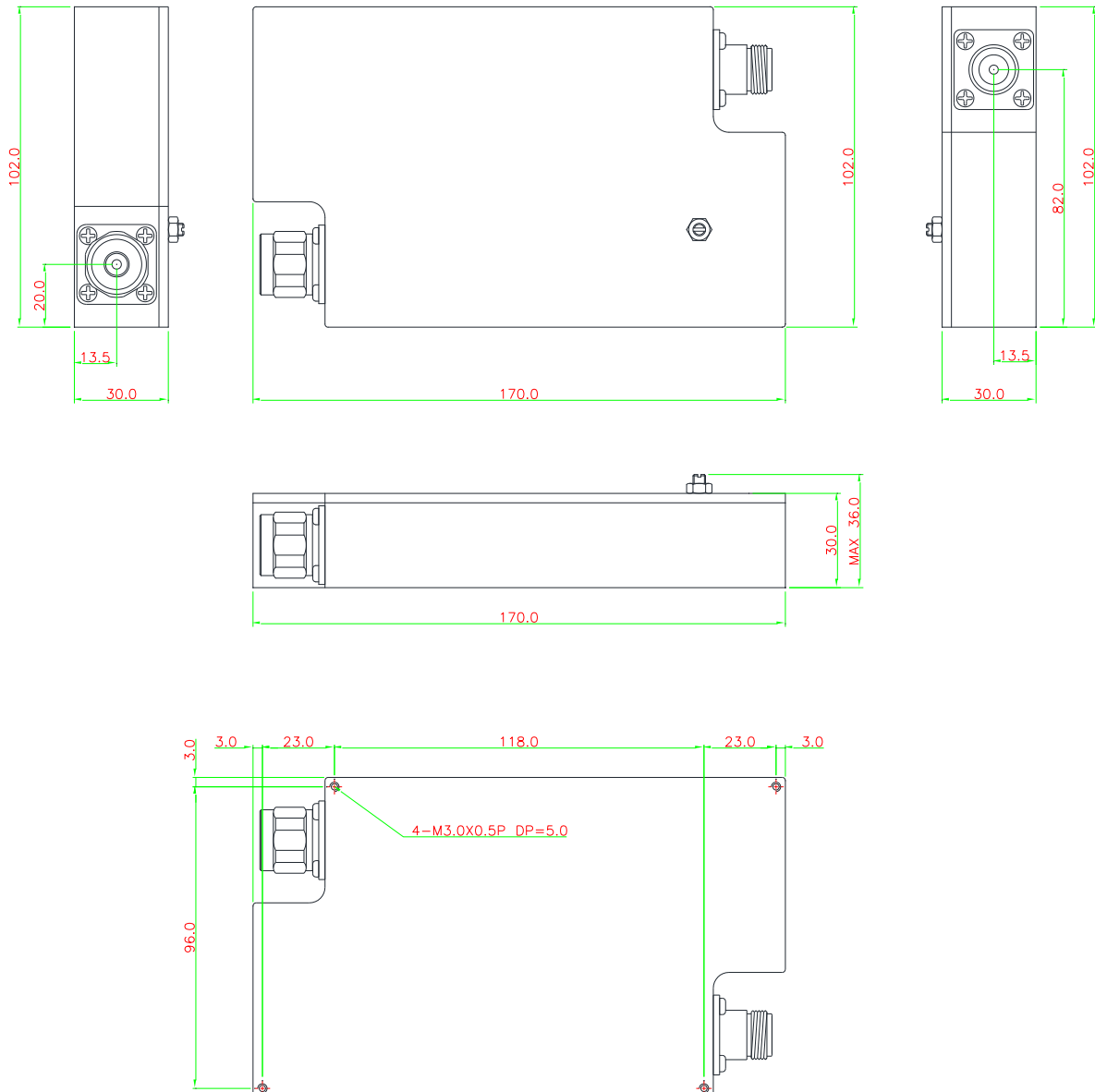


28/Feb/2019

PRODUCT SPECIFICATION FOR INFORMATION

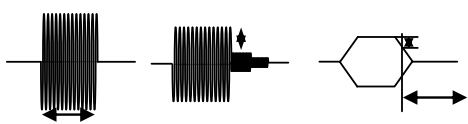
- Product Name : CAVITY FILTER
- Part No : MBP-C1030BP20N

PRELIMINARY SPECIFICATION

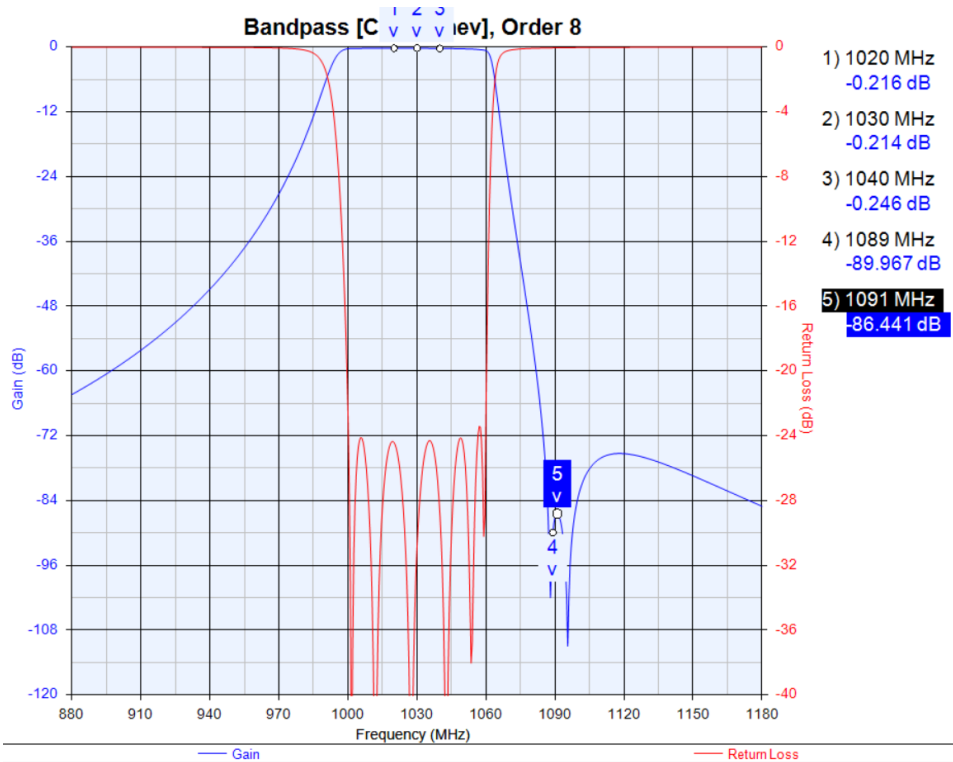


[2D MECHANICAL DRAWING]

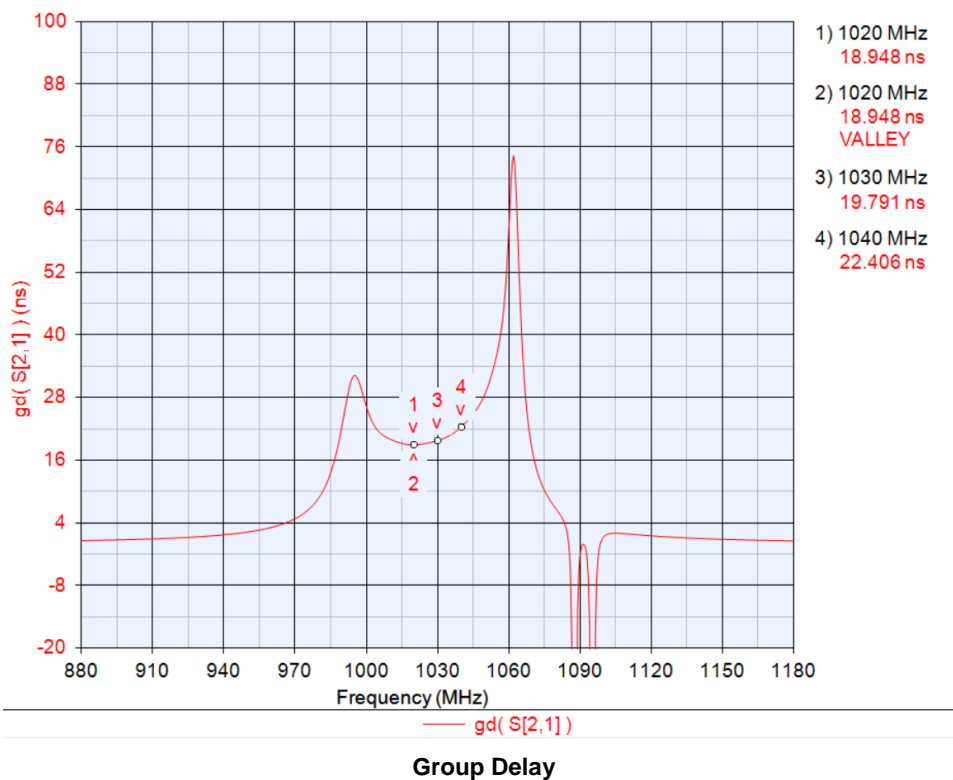
■ ELECTRICAL SPECIFICATION

No	Parameter	Specification	Remark
1	Center Frequency	1030MHz	
2	Band Width	1020 ~ 1040MHz	
3	Insertion Loss @ Fc	0.35dB Max.	
4	Insertion Loss reproductibility @ FC	0.1dB @ 1030MHz	
5	Amplitude variation in BW	0.2dB Max.	
6	Return Loss (VSWR) in BW	20.8dB Min, 1.2:1 Min.	
7	Rejection	80dB min @1089~1091MHz	
8	Phase reproductibility in BW	±5° Max	
9	Group delay variation in BW	5ns Max.	
10	Temporal sidelobe level during pulse and after pulse see fig1	<p>T > 15ns , > 35dBc T > 100ns , > 80dBc</p> 	
11	Thermal frequency variation	+10 ~+70°C < 70E-6°C	
12	Average Power Handling (CW)	200 Watt	
13	Peak Power Handling over 32uS	4000W	
14	Peak power over 5mS (at altitude of 10000ft)	2500W	
15	In/Out Impedance	50Ω	
16	Connectors	Input : N-Type(M), Output : N-Type(F)	
17	Operating Temperature	-40°C to +70°C	
18	Dimension	170.0 X 120.0 X 30.0 mm	
19	Finish	Black epoxy coating	

■ Simulation Data



Insertion loss , Return loss ,Rejection



Group Delay