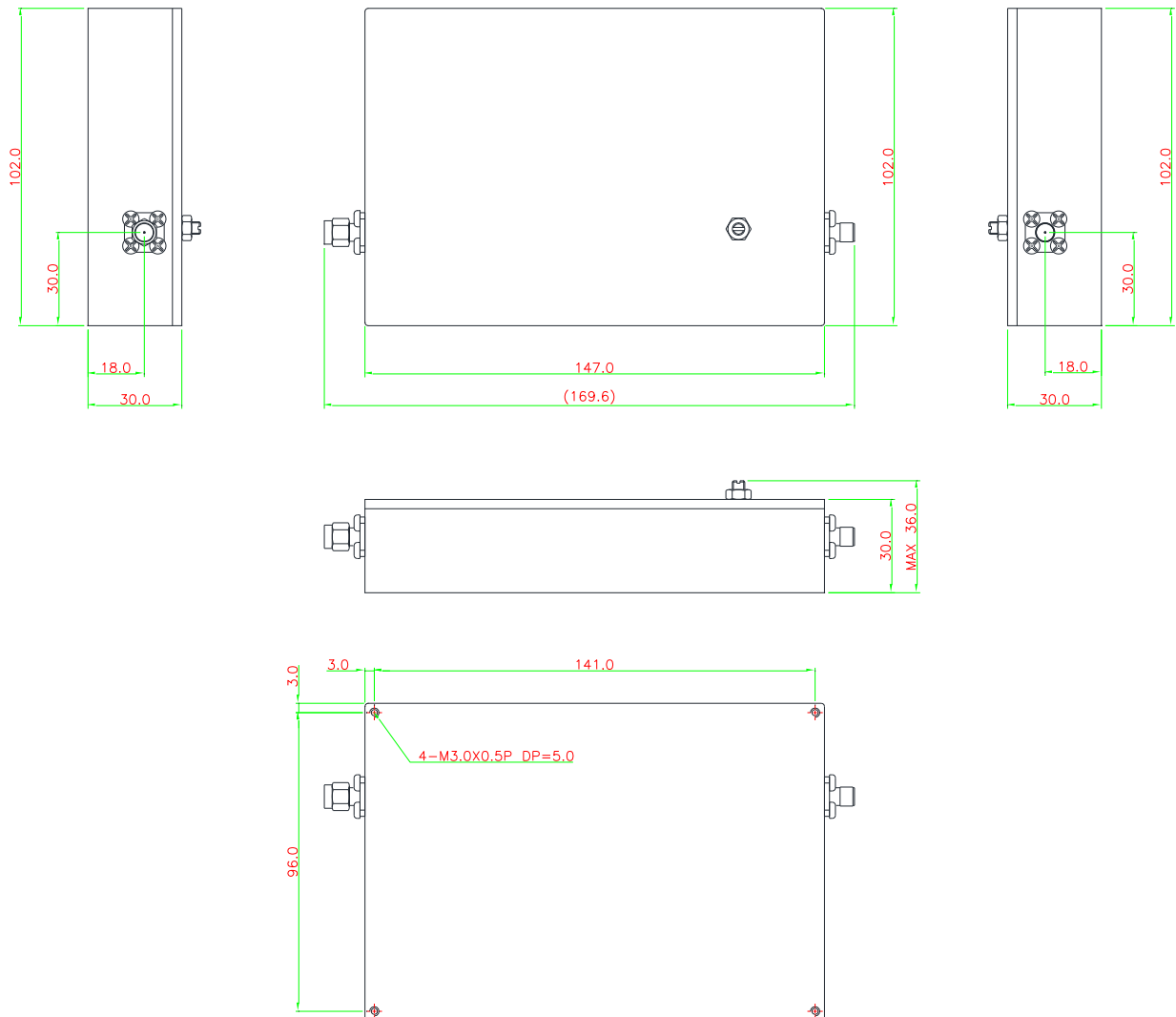


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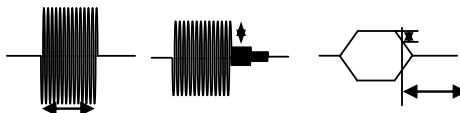
PRODUCT SPECIFICATION FOR INFORMATION

- Customer : THALES LAS
- Product Name : CAVITY FILTER
- Part No : MBP-C1090BP6S

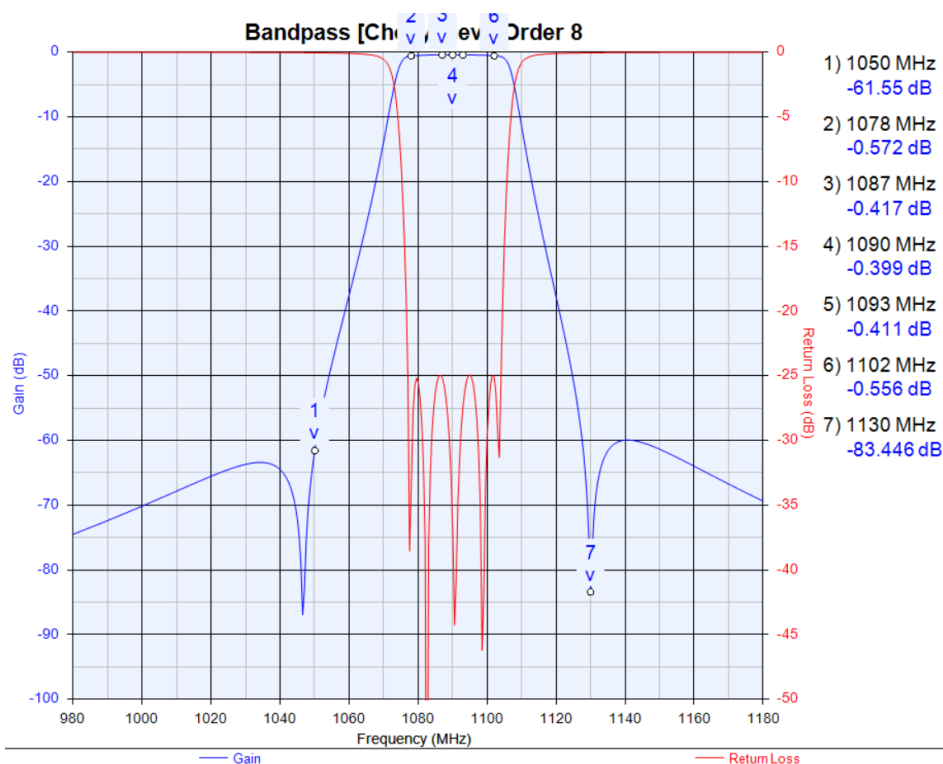


[2D MECHANICAL DRAWING]

■ ELECTRICAL SPECIFICATION

No	Parameter	Specification	Remark
1	Center Frequency	1090MHz	
2	Band Width	1087 ~ 1093MHz	
3	Insertion Loss	0.8dB Max.	
4	Insertion Loss reproductibility @ FC	0.1dB @ 1090MHz	
5	Amplitude variation	3dB max@1078MHz 3dB max@1102MHz	
6	Amplitude reproductibility	0.1dB	
7	Return Loss (VSWR) in BW	17.7dB Min, 1.3:1 Min	
8	Rejection	50dBc min @1050MHz 50dBc min @1130MHz	
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 32u	4000W	
15	Peak power over 5mS (at altitude of 10000ft)	2500W	
16	In/Out Impedance	50Ω	
17	Connectors	Input : SMA-Type(M), Output : SMA-Type(F)	
18	Operating Temperature	-10°C to $+50^\circ\text{C}$	
19	Dimension	170.0 X 120.0 X 30.0 mm	
20	Finish	Black epoxy coating	

Simulation Data



Insertion loss , Return loss ,Rejection

