

PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

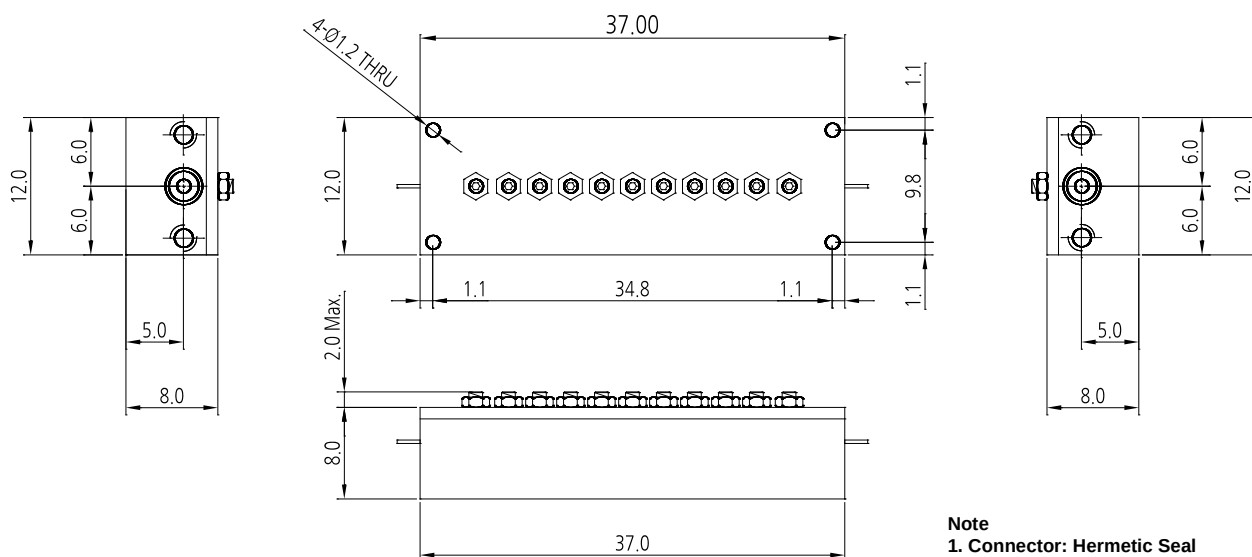
Product Name: Cavity Band Pass Filter

Part No: MBP-C16.05_0.7GH-A-R1

■ History List

No.	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2022.02.17	Bryan Jeon	Michael Jeon
2	R1	1.Has changed filter width from 20mm to 12mm 2.Has changed insertion loss and rejection value	2022.02.22	Bryan Jeon	Michael Jeon

■ Mechanical Drawing



■ Electrical Specification

Parameter	Specification	Remark
1. Center Frequency	16.05GHz	
2. Frequency Range	$F_c \pm 0.35\text{GHz}$ [15.7~16.4GHz]	
3. Insertion Loss	1.4dB Typ. / 1.7dB Max.	
4. Ripple	$\pm 0.5\text{dB}$ Max.	
5. Return Loss	15dB Min.	
6. Rejection	30dBc Min.@ DC~10GHz	
	40dBc Min.@ 10~15GHz	
	40dBc Min.@ 16.8~20GHz	
	30dBc Min.@ 20~30GHz	T.B.D.
7. In/Out Impedance	50 Ω	
8. In/Out Power	30dBm Max.	
9. Max Dimension	37 x 12 x 10 mm	
10. Temperature Range	-20°C to +85°C	

Remarks: This is a preliminary datasheet for reference.

■ Simulation Curve

