

PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

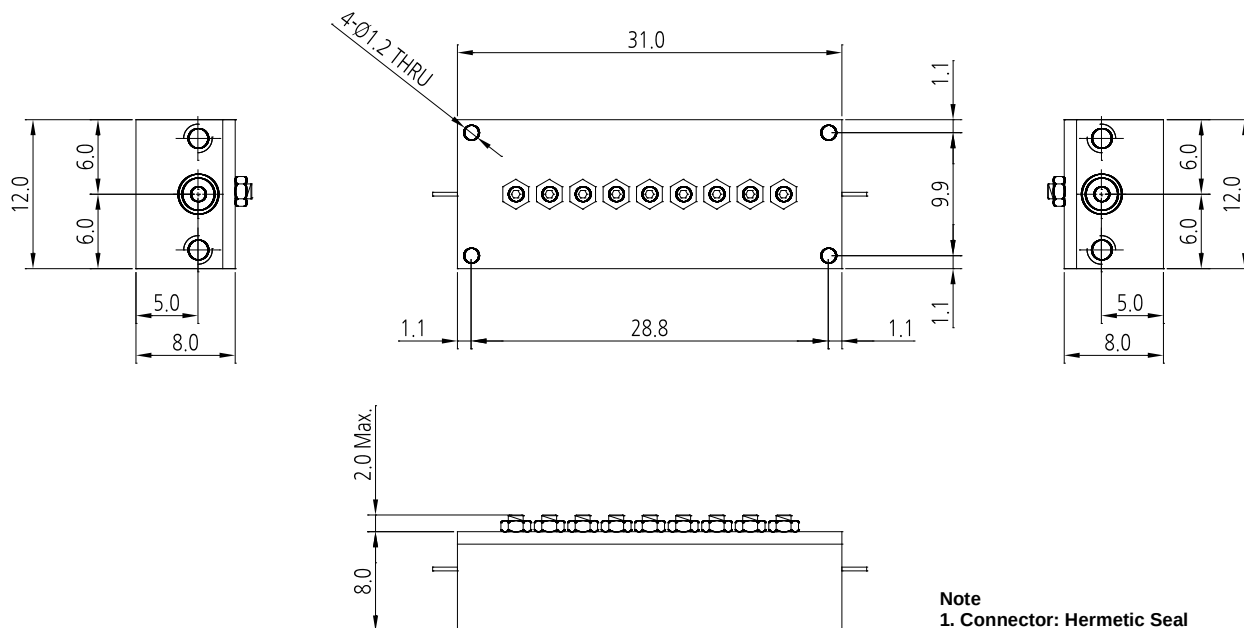
Product Name: Cavity Band Pass Filter

Part No: MBP-C17.1_0.6GH-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



Note
1. Connector: Hermetic Seal
TL-106 (12Mil)
2. Finish: Black Epoxy

■ Electrical Specification

Parameter	Specification	Remark
1. Center Frequency	17.1GHz	
2. Frequency Range	$F_c \pm 0.3\text{GHz}$ [16.8~17.4GHz]	
3. Insertion Loss	1.2dB Typ. / 1.5dB Max.	
4. Ripple	$\pm 0.5\text{dB}$ Max.	
5. Return Loss	15dB Min.	
6. Rejection	30dBc Min.@ DC~10GHz	
	38dBc Min.@ 10~16.3GHz	
	38dBc Min.@ 17.9~20GHz	
	30dBc Min.@ 20~30GHz	T.B.D.
7. In/Out Impedance	50Ω	
8. In/Out Power	37dBm Max.	
9. Max Dimension	31 x 12 x 10 mm	
10. Temperature Range	-20°C to +85°C	

Remarks: This is a preliminary datasheet for reference.

■ Simulation Curve

