

PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

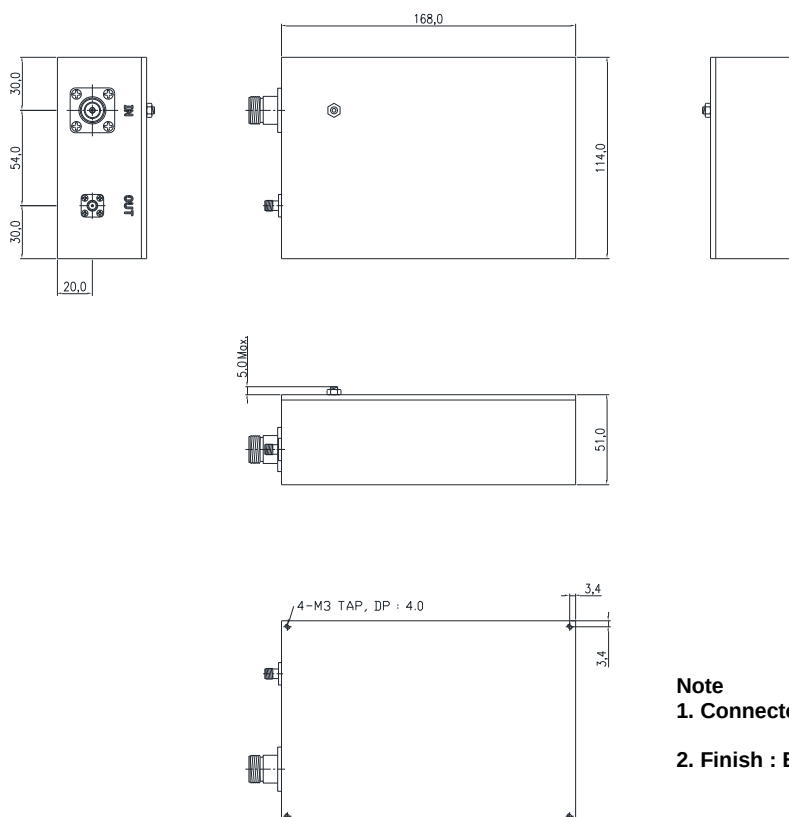
Product Name : Cavity Band Pass Filter

Part No : MBP-C1090_30MN-A-R0

■ History List

No.	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2021.11.11	Bryan Jeon	Michael Jeon

■ Mechanical Drawing



Note

1. Connector : IN – N-Type(f)
OUT – SMA(f)
2. Finish : Black Epoxy

■ Electrical Specification

Parameter	Specification	Remark
1. Center Frequency	1090MHz	
2. Frequency Range (3dB BW)	$f_0 \pm 15[1075 \sim 1105]$ MHz	
3. Insertion Loss in Pass Band	0.5dB Max.	
4. Ripple between 1085~1095MHz	± 0.1 dB Max.	
5. Rejections	60dB Min. @ 1030 $\pm$ 3 MHz	
	80dB Min. @ 970 $\pm$ 10 MHz	
	80dB Min. @ 1300 $\pm$ 100 MHz	
6. Input / Output Impedance	50 Ω	
7. VSWR in band 1085~1095MHz	1:1.2 Max.	
8. Power at Operational Peak	up to 3.2kW at 1030 $\pm$ 3MHz (66% duty cycle for 1.6msec, average duty of 4% of long term)	
9. Operating temp	-40 to +85°C	

Remarks: This is a preliminary datasheet for reference.

Simulation Curve

