

PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

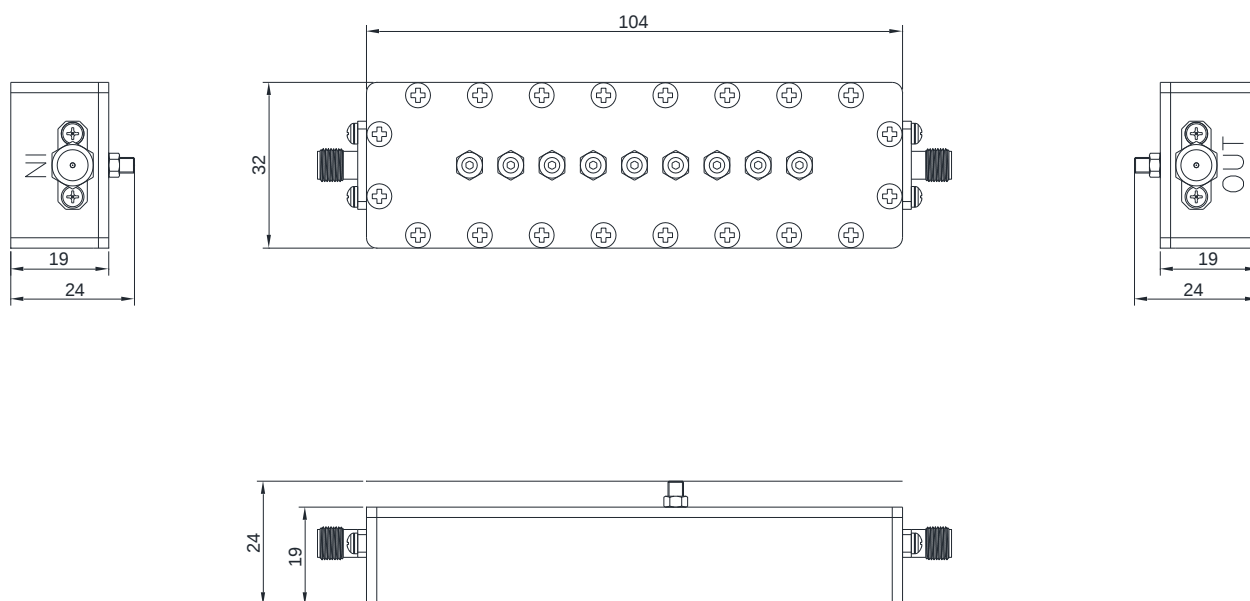
Product Name : Cavity Band Pass Filter

Part No : MBP-C3250_500MS-B-R0

■ History List

No.	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2021.11.15	Bryan Jeon	Michael Jeon

■ Mechanical Drawing



Note
 1. Connector :SMA(Female)
 2. Finish :Black Epoxy

■ Electrical Specification

Parameter	Specification	Remark
1. Center Frequency	3250MHz	
2. Frequency Range	$F_c \pm 250$ [3000~3500]MHz	
3. Insertion Loss	0.5dB Max.	
4. Pass Band Ripple	0.3dB Max.	
5. Return Loss	16dB Min.	
6. Group Delay Variation over Pass Band	2.5ns Max.	
7. Rejection	5dBc Min.@ $F_c \pm 400$ MHz	
	12dBc Min.@ $F_c + 550$ MHz & $F_c - 650$ MHz	
	16dBc Min.@ $F_c + 850$ MHz & $F_c - 1150$ MHz	
8. Power Handling	33dBm CW Max. & 40dBm Peak 1% D.C. over the band : 2~9600MHz	
9. Input / Output Impedance	50Ω	
10. Size	104.0 × 32.0 × 19.0mm (Without Connector & Tuning Bolt)	
11. Operation Temperature Range	-10°C to +65°C	

Remarks: This is a preliminary datasheet for reference.

Simulation Curve

