

PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

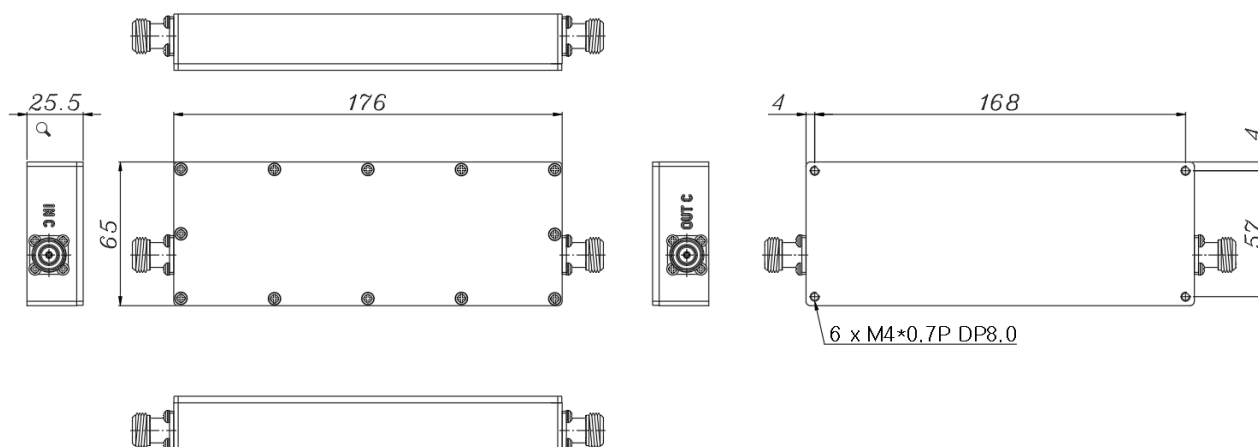
Product Name : Cavity Band Pass Filter

Part No : MBP-C5500_696MN-C-R0

■ History List

No.	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2026.05.14	Jeffrey Chung	Michael Jeon

■ Mechanical Drawing



■ Electrical Specification

Parameter	Specification	Remark
1. Center Frequency	5500MHz	OK
2. Pass Band	$F_c \pm 348[5152 \sim 5848]$ MHz	OK
3. Insertion Loss	1.8dB Max.	Proposal
4. Ripple	1.5dB Max.	Proposal
5. Return Loss	18dB Min.	OK
6. Rejections	60dB min. @ DC~5092MHz	Proposal
	40dB min. @ 5092~5112MHz	Proposal
	30dB min. @ 5112~5132MHz	Proposal
	30dB min. @ 5868~5880MHz	Proposal
	40dB min. @ 5880~5908MHz	Proposal
	60dB min. @ 5908~6000MHz	Proposal
7. Input / Output Impedance	50Ω	OK
8. Power	100W max. CW 100% Duty cycle	OK
9. Operating temp	-20 to +70°C	OK
10. Connector	N-Type(F)	OK
11. Size	176.0 x 65.0 x 25.5mm	Proposal
12. Finish	Black epoxy	TBD

Remarks: This is a preliminary datasheet for reference.

■ Simulation Curve

