

PRODUCT SPECIFICATION FOR INFORMATION

PRELIMINARY SPECIFICATION

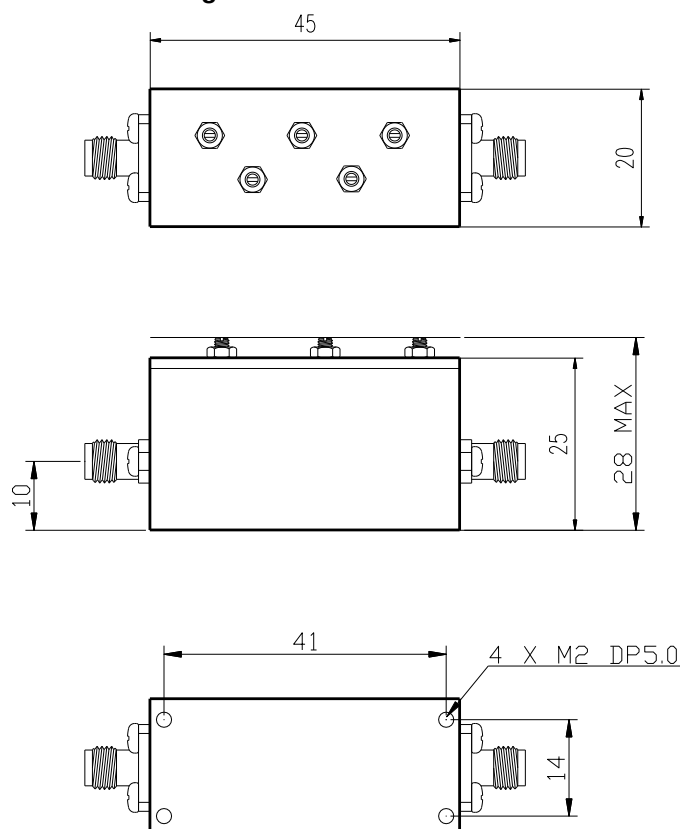
Product Name: Cavity Band Pass Filter

Part No: MBP-C2810_240MS-C-R2

■ History List

No.	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2025.03.18.	Jeffrey Jeong	Michael Jeon
2	R1	Mechanical size & Mounting Hole changed	2025.03.27.	Jeffrey Jeong	Michael Jeon
3	R2	Weight added	2025.04.02.	Jeffrey Jeong	Michael Jeon

■ Mechanical Drawing



Tolerance : $\pm 0.3\text{mm}$

Finish : Black Epoxy Painting

Weight : 50Grms Max.

■ Electrical Specification

Parameter	Specification	Remark
1. Center Frequency	2810MHz	
2. Bandwidth	$F_c \pm 120\text{MHz}$ [2690~2930MHz]	
3. Insertion Loss in BW	0.9dB Max.	
4. Ripple in BW	0.5dB Max.	
5. V.S.W.R. in BW	1.4 : 1 Max.	
6. Attenuation	70dB Min. @ DC ~ 2100MHz	
	40dB Min. @ 2100 ~ 2645MHz	
	25dB Min. @ 3000 ~ 4100MHz	
	70dB Min. @ 4100 ~ 9500MHz	
7. In/Out Impedance	50 Ω	
8. Power Handling	3W	
9. Connector	SMA(F)	
10.Dimension	45.0 x 20.0 x 28.0 mm	
11. Temperature Range	-40°C to +85°C	

※ It is subjected to change with prior notice

■ Environmental Specification

Parameter	Specification	Remark
Altitude	20000ft	
Humidity	Up to 95% at +35°C	
Fungus	MIL-STD-810G Method 508.6	
Vibration	MIL-STD-810G Method 514.6	
Salt Atmosphere	MIL-STD-810G Method 509.5	