

PRODUCT SPECIFICATION FOR INFORMATION

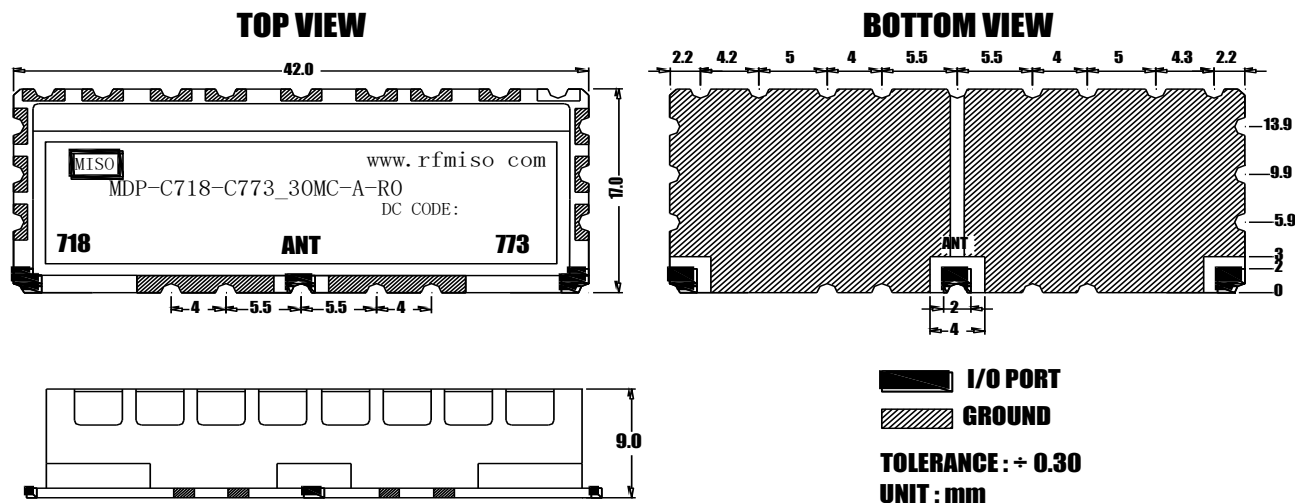
FINAL SPECIFICATION

Product Name: Ceramic Duplexer
Part No: MDP-C718-C773_30MC-A-R0

■ History List

No.	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2022.03.03	Bryan Jeon	Michael Jeon

■ Mechanical Drawing



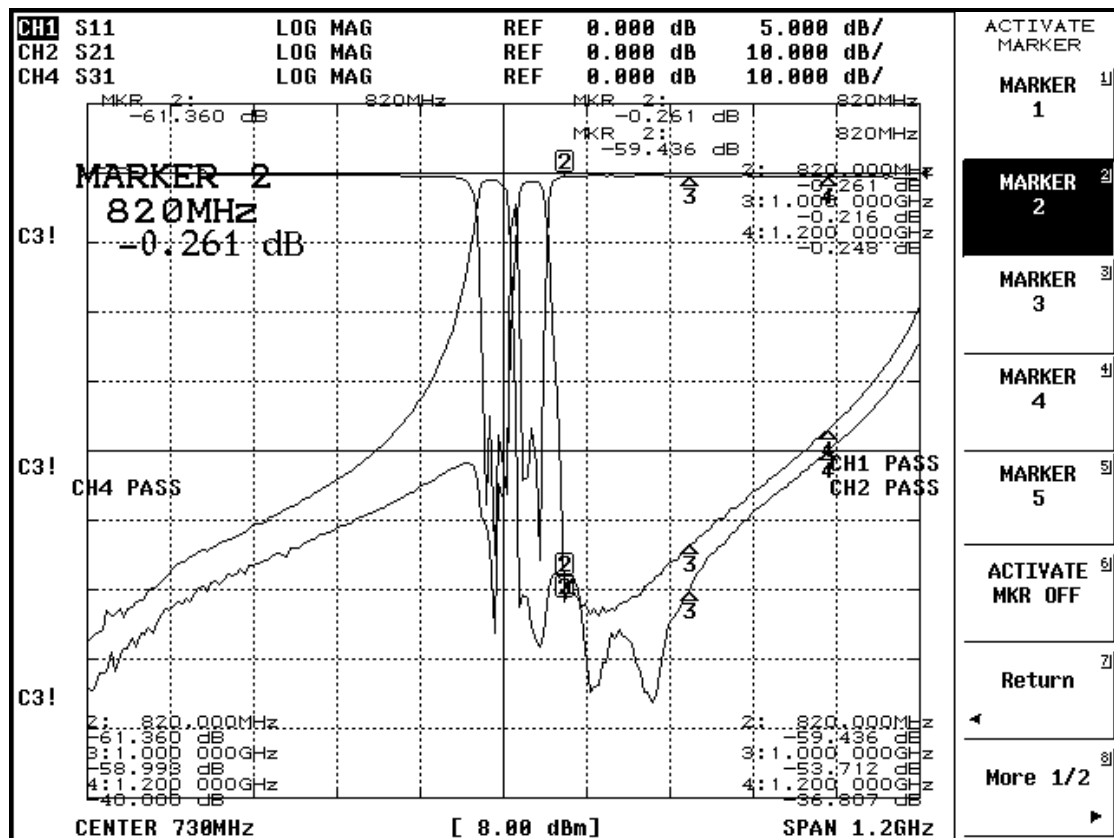
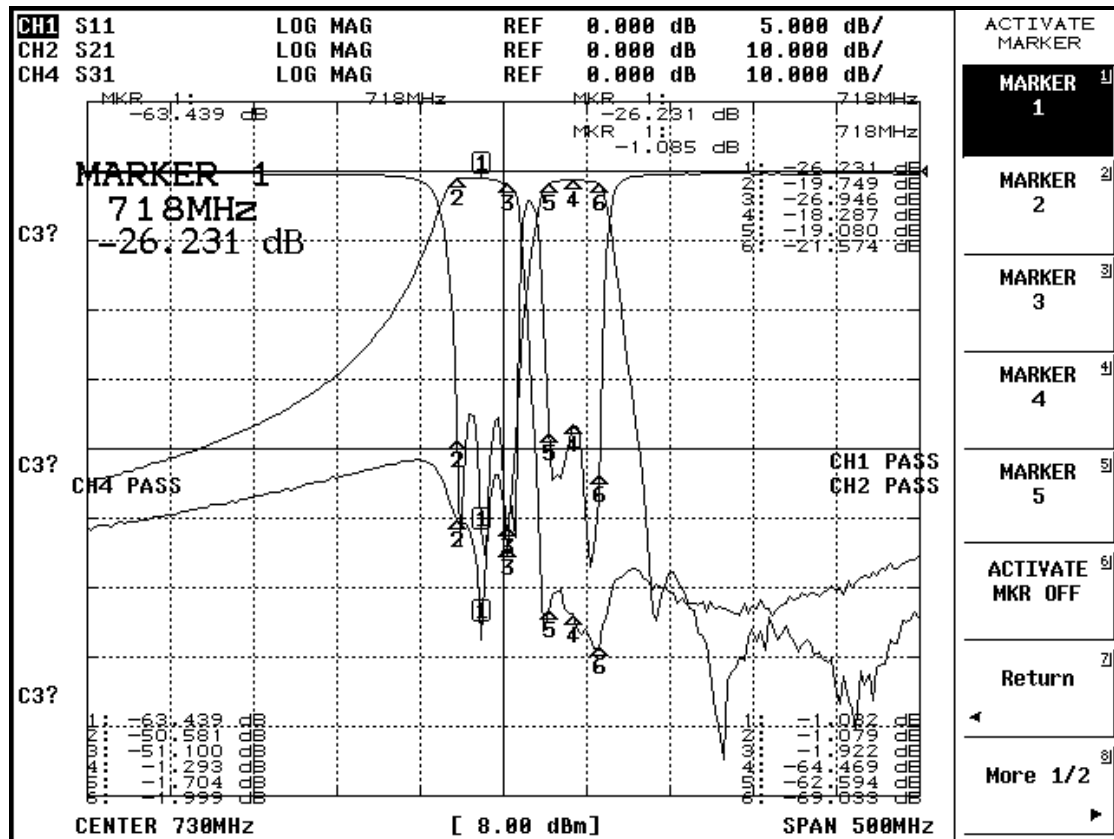
Note

1. Connector: SMD
2. Finish: Silver Plated

■ Electrical Specification

Parameter	Specification		Remark
	ANT >> Low	ANT >> High	
1. Center Frequency	718MHz	773MHz	
2. Bandwidth	$F_c \pm 15\text{MHz}$ [703~733MHz]	$F_c \pm 15\text{MHz}$ [758~788MHz]	
3. Insertion Loss in BW	2.0dB Max.	2.0dB Max.	
4. Ripple in BW	1.2dB Max.	1.2dB Max.	
5. Return Loss in BW	17dB Min.	17dB Min.	
6. Attenuation [Absolute Value]	30dB Min. @DC~600MHz	30dB Min. @DC~600MHz	
	50dB Min. @758~788MHz	50dB Min. @703~733MHz	
	35dB Min. @820~1000MHz	35dB Min. @820~1000MHz	
	30dB Min. @1000~1200MHz	30dB Min. @1000~1200MHz	
7. In/Out Impedance	50Ω		
8. Isolation	50dB @ 703~733MHz 40dB @ 733~758MHz 50dB @ 758~788MHz		
9. Temperature Range	-45°C ~ +85°C		
10. Average Input Power	20W Max.		
11. Peak Input Power	200W Max.		

■ Test Curve



■ Recommended PC Board Pattern

