

PRODUCT SPECIFICATION FOR INFORMATION

FINAL SPECIFICATION

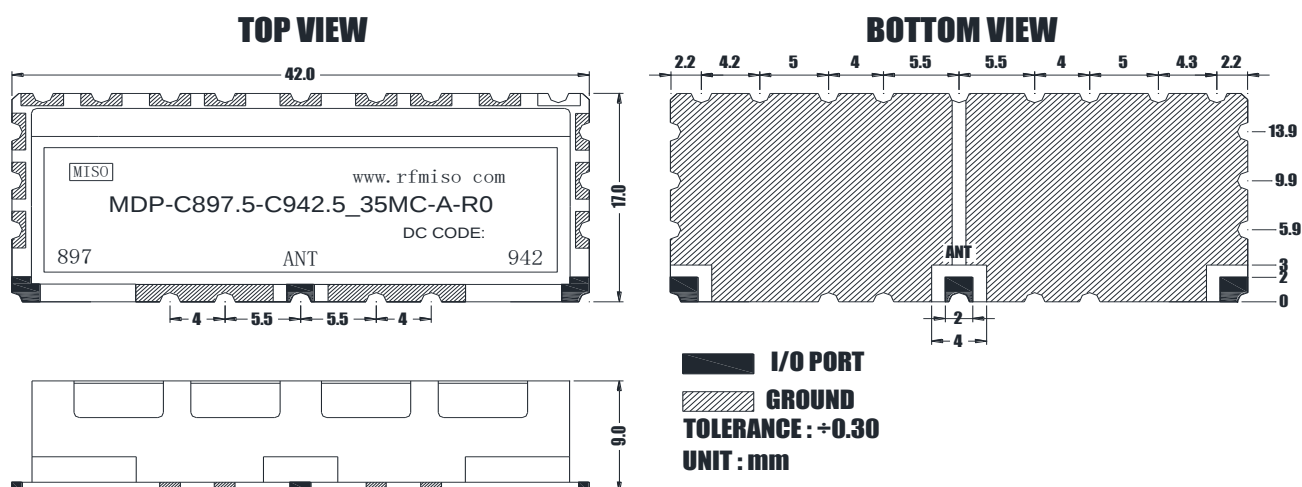
Product Name: Ceramic Duplexer

Part No: MDP-C897.5-C942.5_35MC-A-R0

■ History List

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

■ Mechanical Drawing

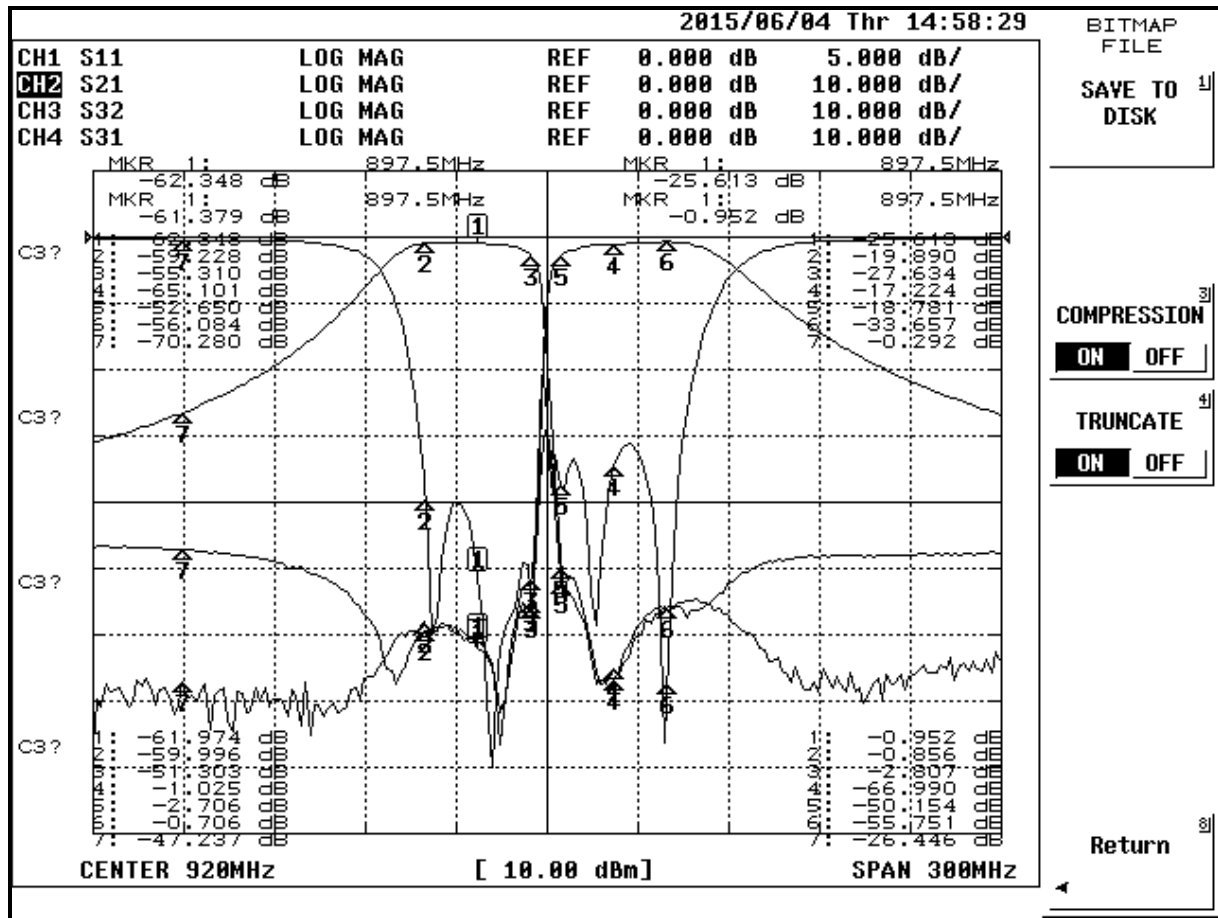


Note
1. Connector: SMD
2. Finish: Silver Plated

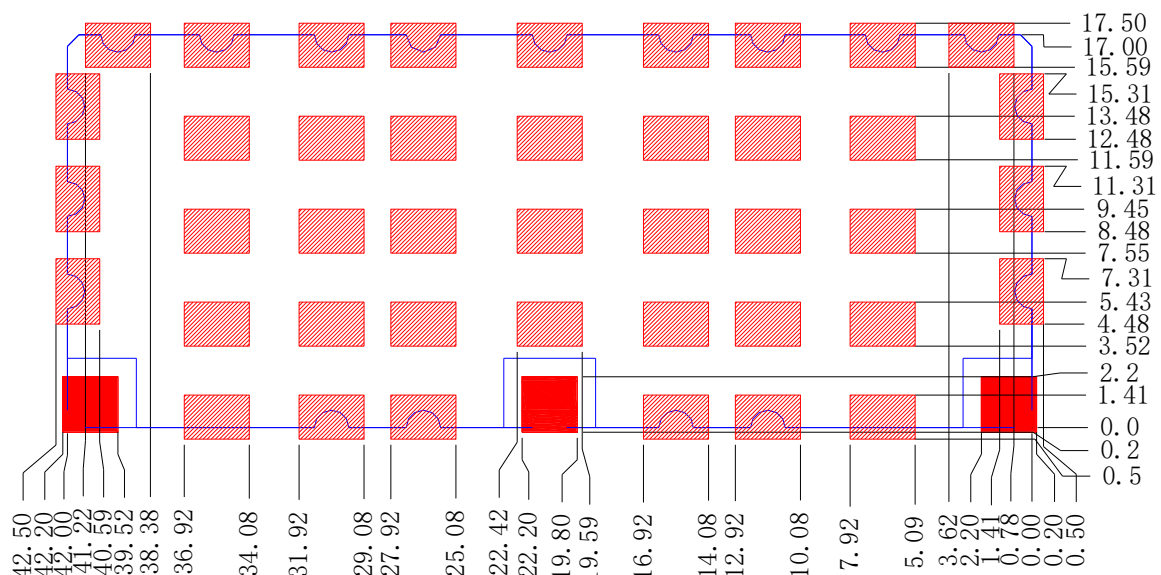
■ Electrical Specification

Parameter	Specification		Remark
	ANT >> Low	ANT >> High	
1. Center Frequency	897.5MHz	942.5MHz	
2. Bandwidth	$F_c \pm 17.5\text{MHz}$ [880~915MHz]	$F_c \pm 17.5\text{MHz}$ [925~960MHz]	
3. Insertion Loss in BW	3.0dB Max. @ +25°C 3.3dB Max. @ -40°C ~ +85°C	3.0dB Max. @ +25°C 3.3dB Max. @ -40°C ~ +85°C	
4. Ripple in BW	2.2dB Max. @ +25°C 2.5dB Max. @ -40°C ~ +85°C	2.2dB Max. @ +25°C 2.5dB Max. @ -40°C ~ +85°C	
5. Return Loss in BW	15dB Min.	15dB Min.	
6. Attenuation [Absolute Value]	25dB Min. @DC~800MHz	35dB Min. @DC~800MHz	
	50dB Min. @925~960MHz	50dB Min. @880~915MHz	
7. In/Out Impedance	50Ω		
8. Isolation	50dB @ 880~915MHz 25dB @ 915~925MHz 50dB @ 925~960MHz		
9. Temperature Range	-40°C ~ +85°C		
10. Average Input Power	20W Max.		
11. Peak Input Power	200W Max.		

Test Curve



Recommended PC Board Pattern



GROUND SOLDERING POINT



I/O PORT SOLDERING POINT

Remarks: Recommend using silver-containing solder paste.