

PRODUCT SPECIFICATION FOR INFORMATION

FINAL SPECIFICATION

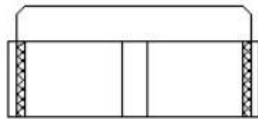
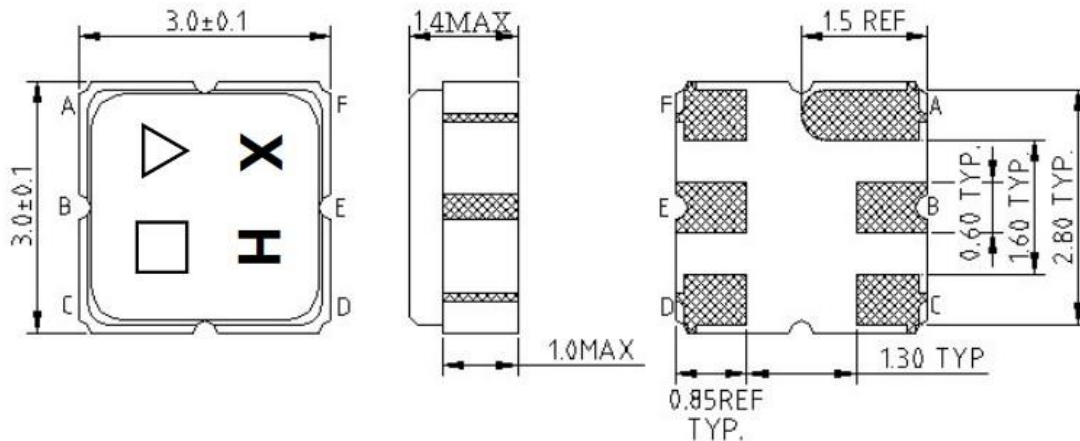
Product Name: SAW Filter

Part No: MSA-C1842.5_75MD-A-R0

■ History List

No.	Rev. No.	Description	Date	Author	Final Approver
1	R0	Draft	2021.12.21	Bryan Jeon	Michael Jeon

■ Mechanical Drawing



B INPUT
 E OUTPUT
 A,C,D,F GROUND
 DIMENSION : mm

△ : Year Code
 □ : Date Code

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

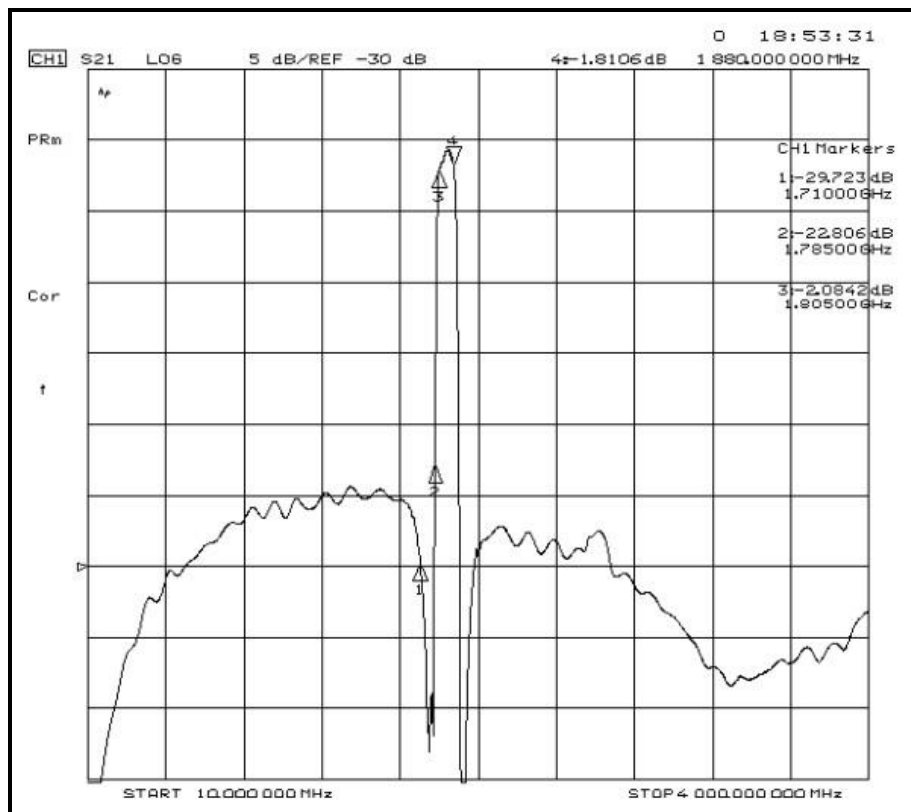
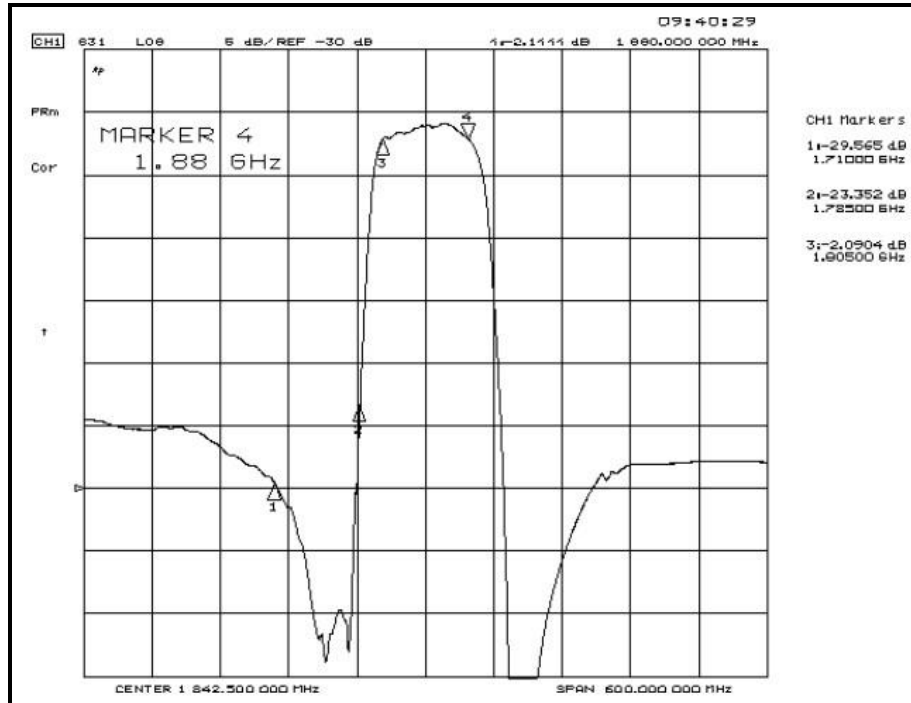
■ Electrical Specification

Parameter	Specification	Remark
1. Center Frequency	1842.5MHz	
2. Bandwidth [BW]	$F_c \pm 37.5\text{MHz}$ [1805~1880MHz]	
3. Insertion Loss in BW	3.8dB Max.	
4. Amplitude Ripple in BW	2.3dB Max.	
5. VSWR in BW	2.1:1 Max.	
6. In/Out Impedance	50Ω	
7. Attenuation [Absolute Value]	20dB Min. @ DC~1500MHz	
	22dB Min. @ 1500~1710MHz	
	10dB Min. @ 1710~1785MHz	
	25dB Min. @ 1920~3120MHz	
	17dB Min. @ 3120~4000MHz	
8. Input Power Level	13dBm	
9. DC Voltage	3V	
10. Operating Temperature	25°C	
11. Storage Temperature	-40°C to +85°C	

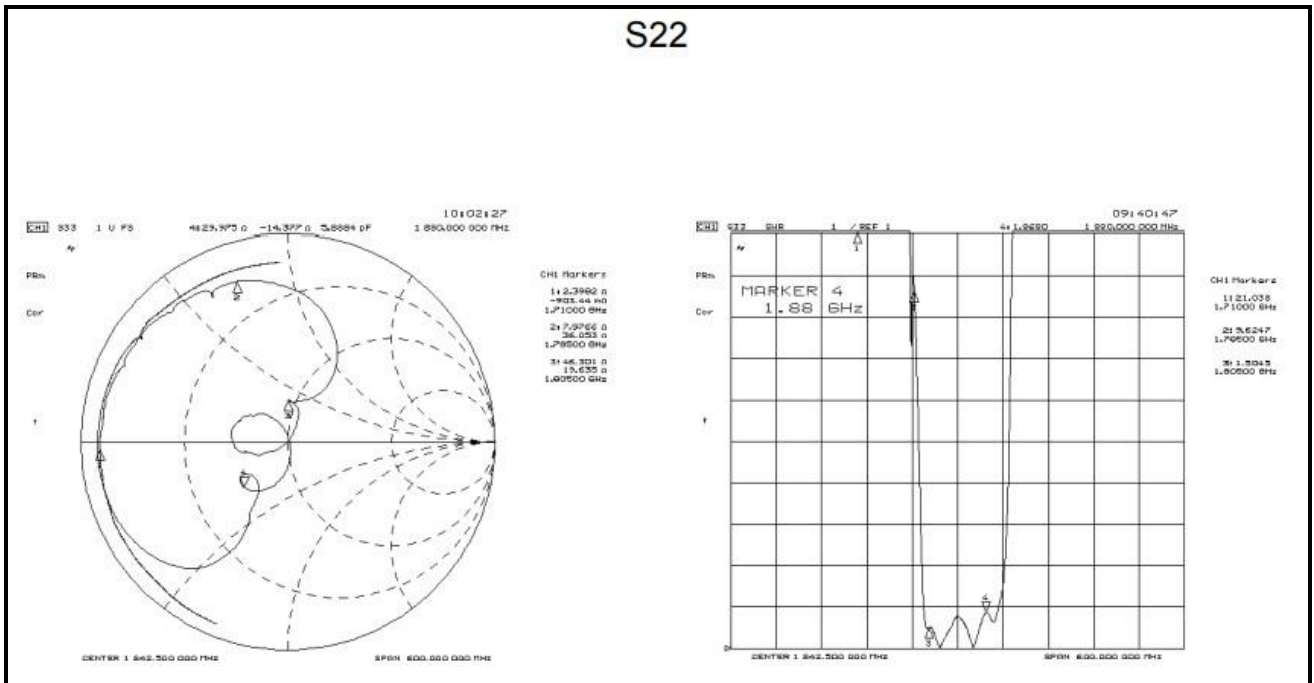
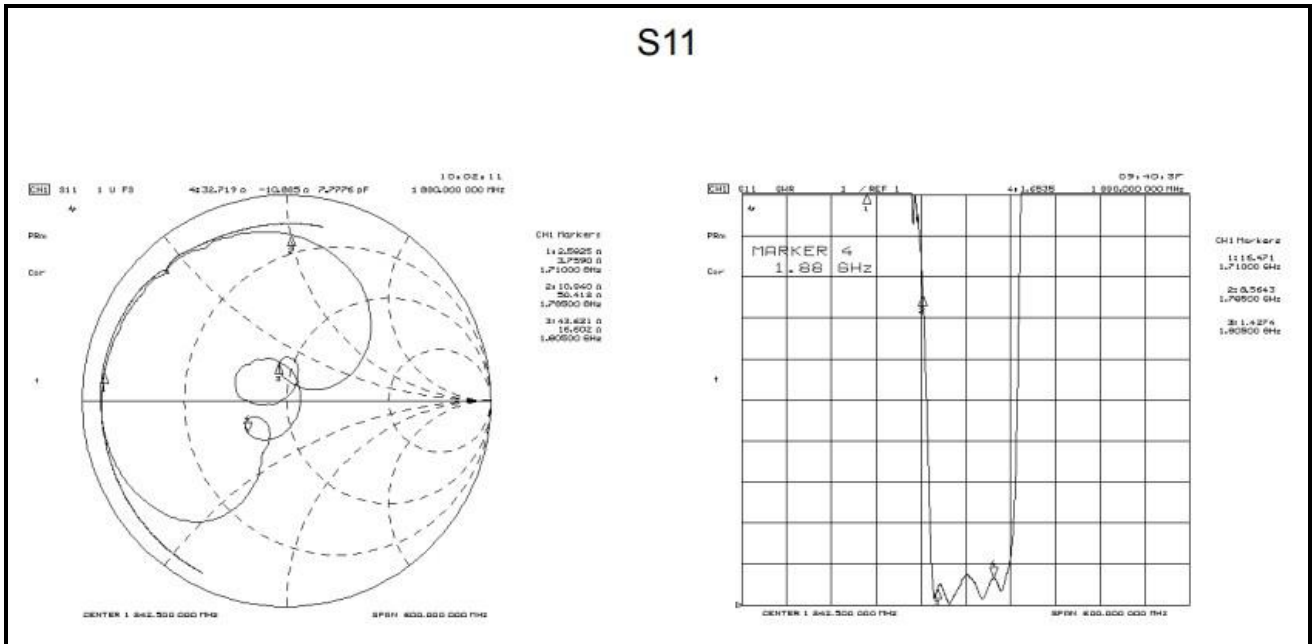
Remarks: This is a preliminary datasheet for reference.

■ Simulation Data

1) Transfer Functions

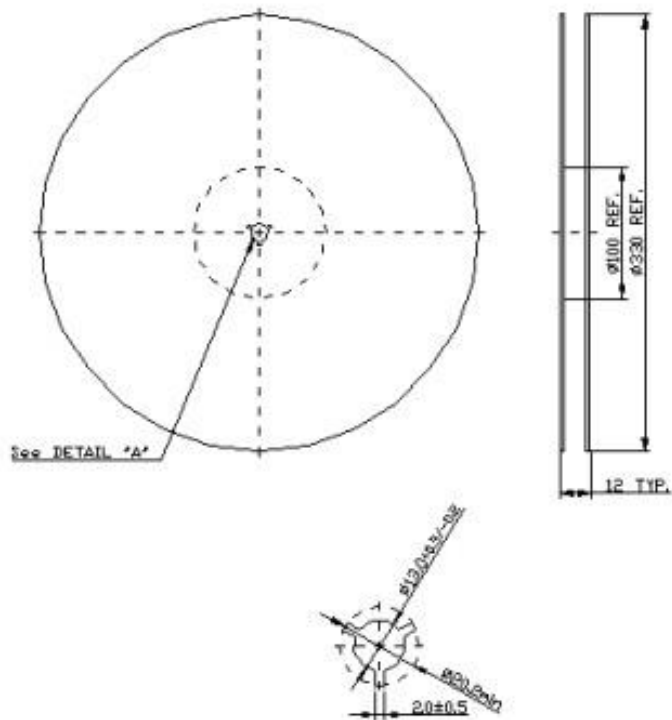


2) Reflections Functions

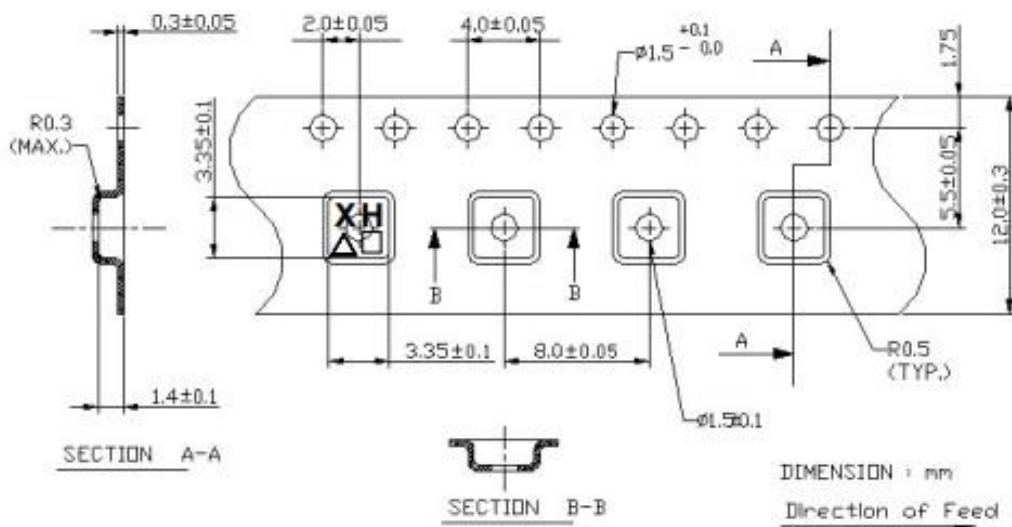


■ Packing

1. REEL DIMENSION



2. TAPE DIMENSION



■ Recommended PCB Board Pattern

