

PRODUCT SPECIFICATION FOR INFORMATION

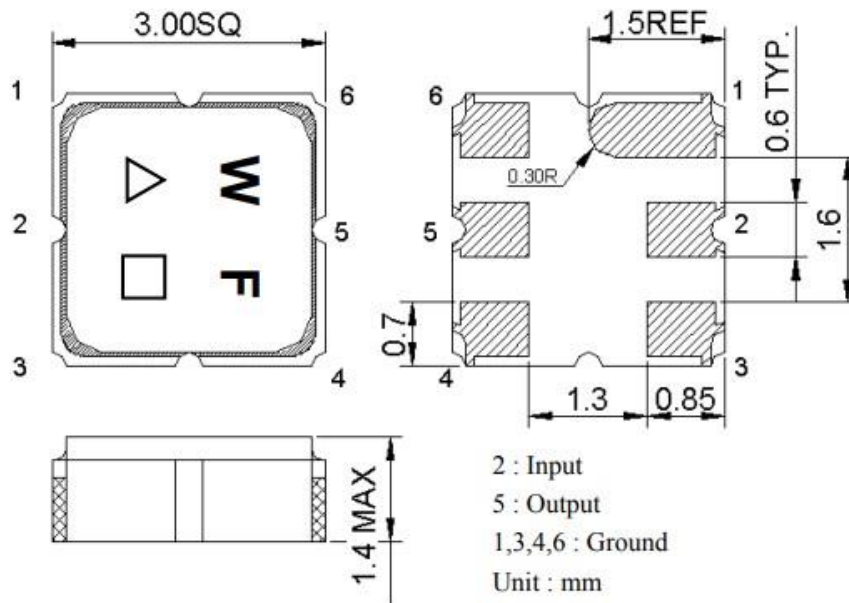
FINAL SPECIFICATION

Product Name: SAW Filter
Part No: MSA-C2350_100MD-A-R0

■ History List

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

■ Mechanical Drawing



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

△ : Year Code (2009->9, 2010->0, ..., 2018->8)

□ : Date Code (W01->A, W02->B, ... W27->a, ..., W52->z)

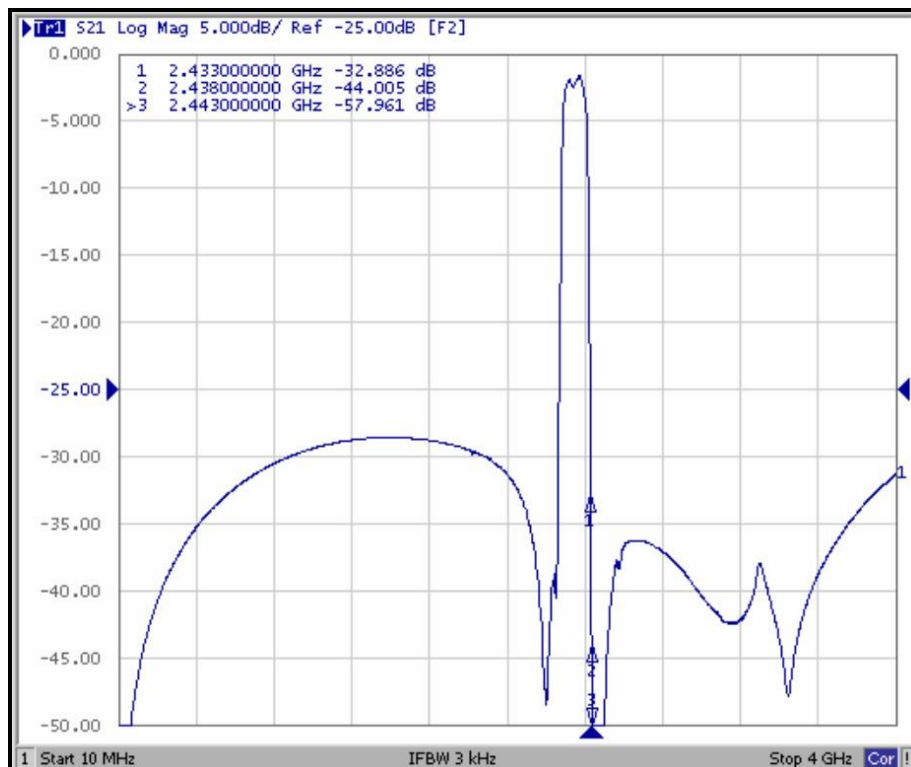
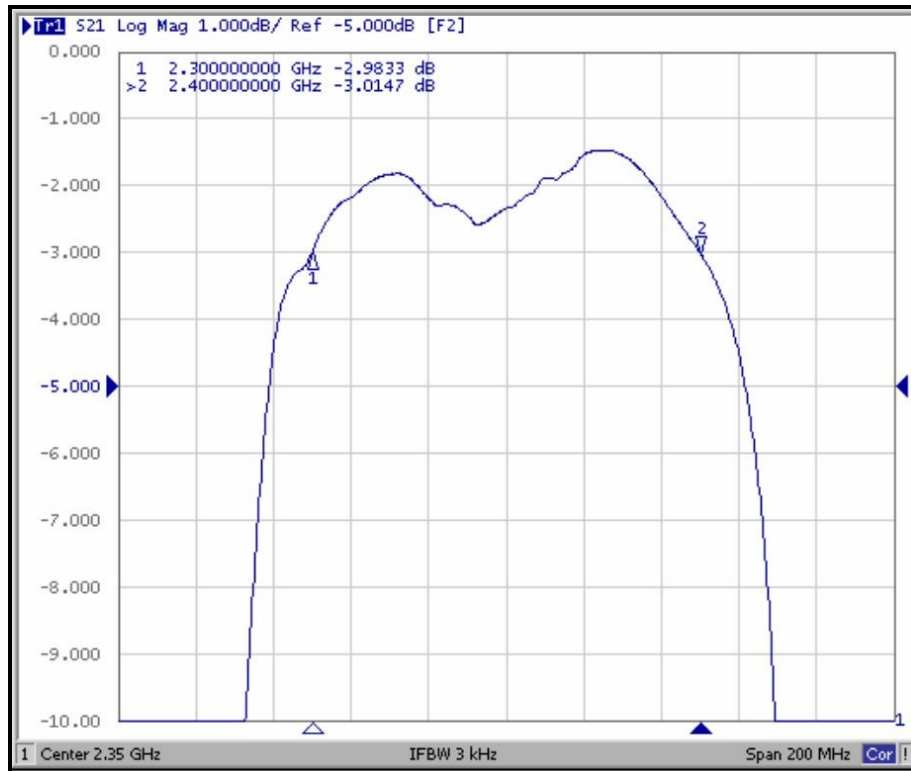
■ Electrical Specification

| Parameter | Specification | Remark |
|---|---------------------------------------|--------|
| 1. Center Frequency | 2350MHz | |
| 2. Bandwidth [BW] | $F_c \pm 50\text{MHz}$ [2300~2400MHz] | |
| 3. Insertion Loss in BW | 4.0dB Max. | |
| 4. Amplitude Ripple in BW | 3.1dB Max. | |
| 5. VSWR in BW | 2.5:1 Max. | |
| 6. In/Out Impedance | 50Ω | |
| 7. Attenuation [Absolute Value] | 23dB Min. @ DC~2050MHz | |
| | 30dB Min. @ 2050~2170MHz | |
| | 24dB Min. @ 2170~2250MHz | |
| | 12dB Min. @ 2433~2438MHz | |
| | 21dB Min. @ 2438~2443MHz | |
| | 35dB Min. @ 2443~2485MHz | |
| | 18dB Min. @ 2485~2550MHz | |
| 27dB Min. @ 25500~4000MHz | | |
| 8. Temperature Coefficient of Frequency | -36ppm/°C | |
| 9. Input Power Level | 10dBm | |
| 10. DC Voltage | 3V | |
| 11. Operating Temperature | -30°C to +85°C | |
| 12. Storage Temperature | -30°C to +85°C | |

Remarks: This is a preliminary datasheet for reference.

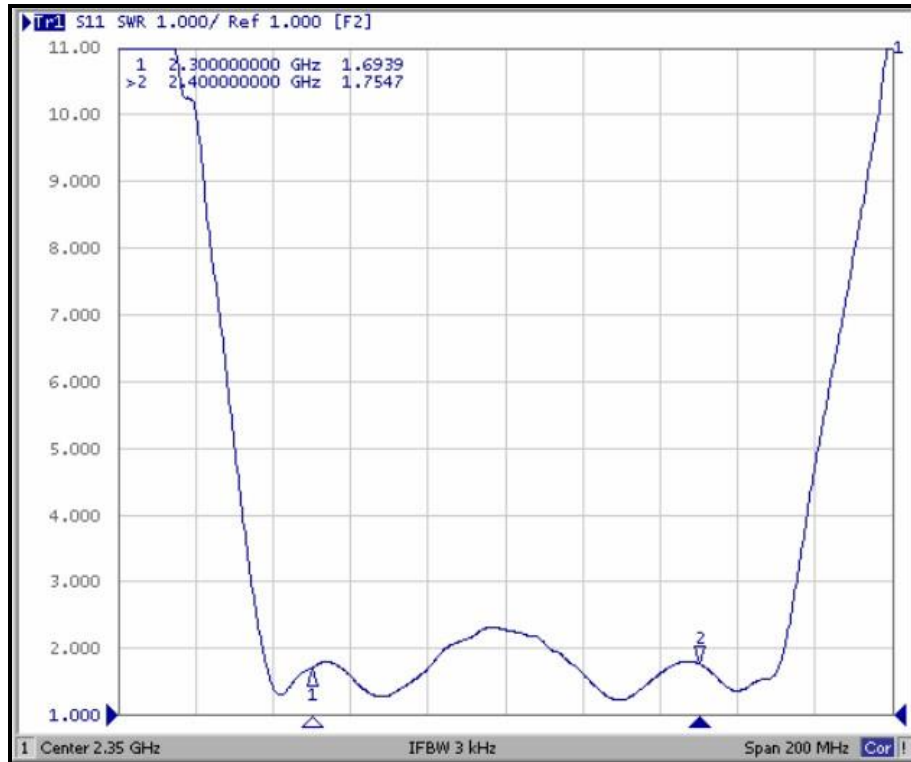
■ Simulation Data

1) Transfer Functions

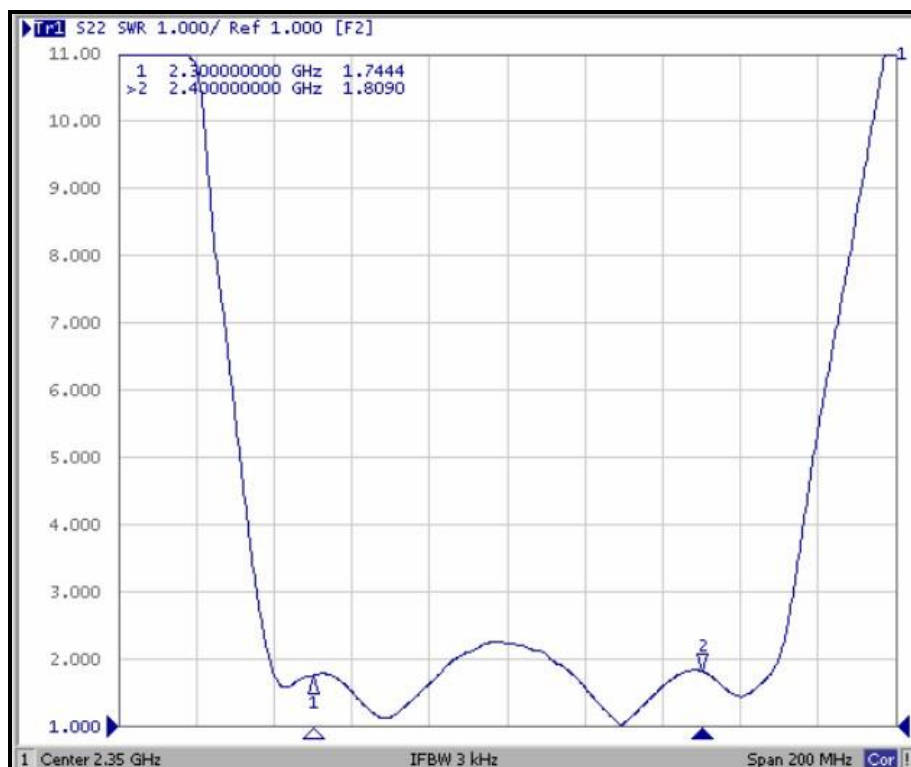


2) Reflections Functions

S11

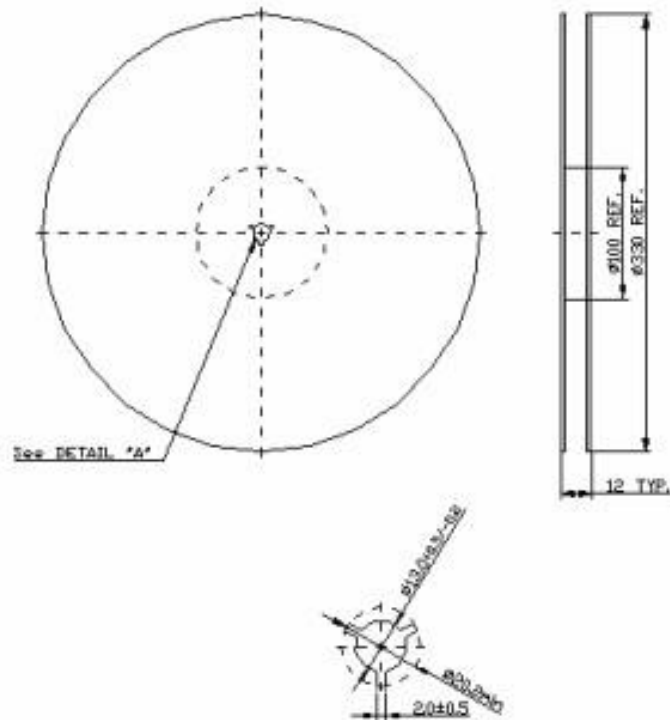


S22

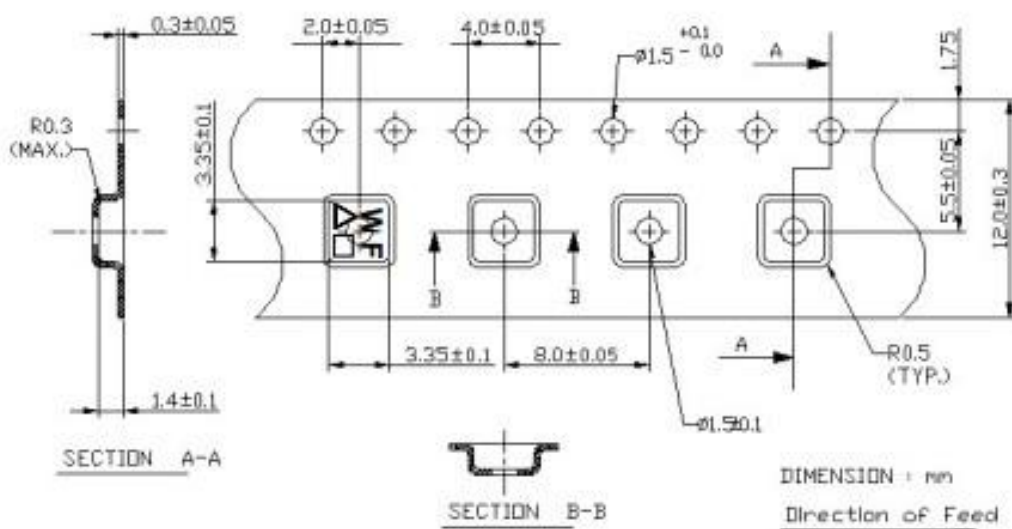


■ Packing

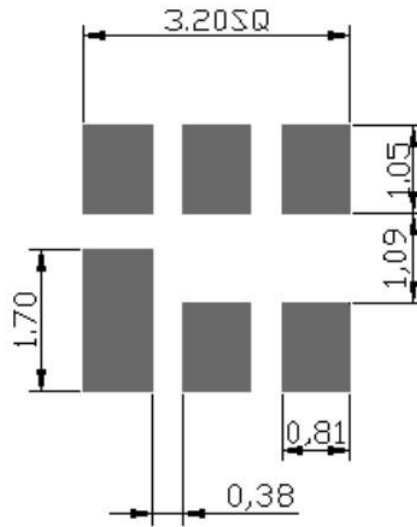
1. REEL DIMENSION
(Reel Count : 7"=1000 ; 13"=3000)



2. TAPE DIMENSION



■ Recommended PCB Board Pattern



■ Recommended Reflow Profile

