PRODUCT SPECIFICATION FOR INFORMATION

FINAL SPECIFICATION

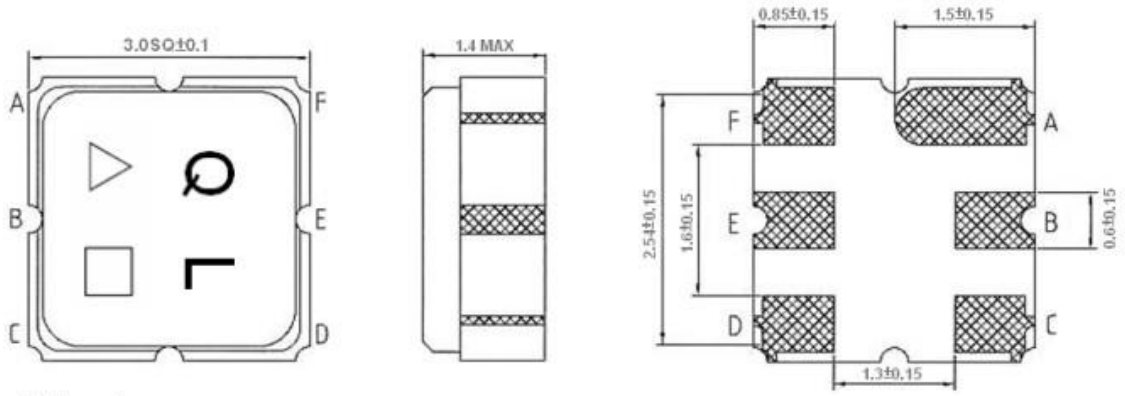
Product Name: SAW Filter

Part No: MSA-C2655_70MD-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
Unit: mm
△ : Year Code (2011->1, 2012->2, …, 2019->9, 2020->0)
□ : Date Code

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

Date Code Table:

WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45	WK46	WK47	WK48	WK49	WK50	WK51	WK52
n	o	p	q	r	s	t	u	v	w	x	y	z

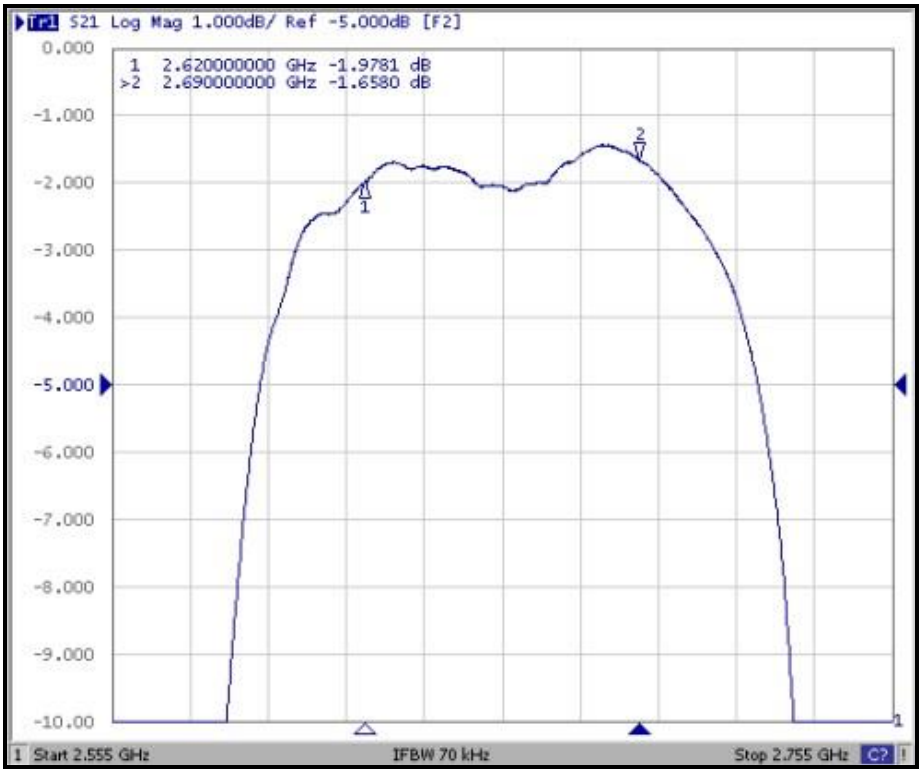
■ Electrical Specification

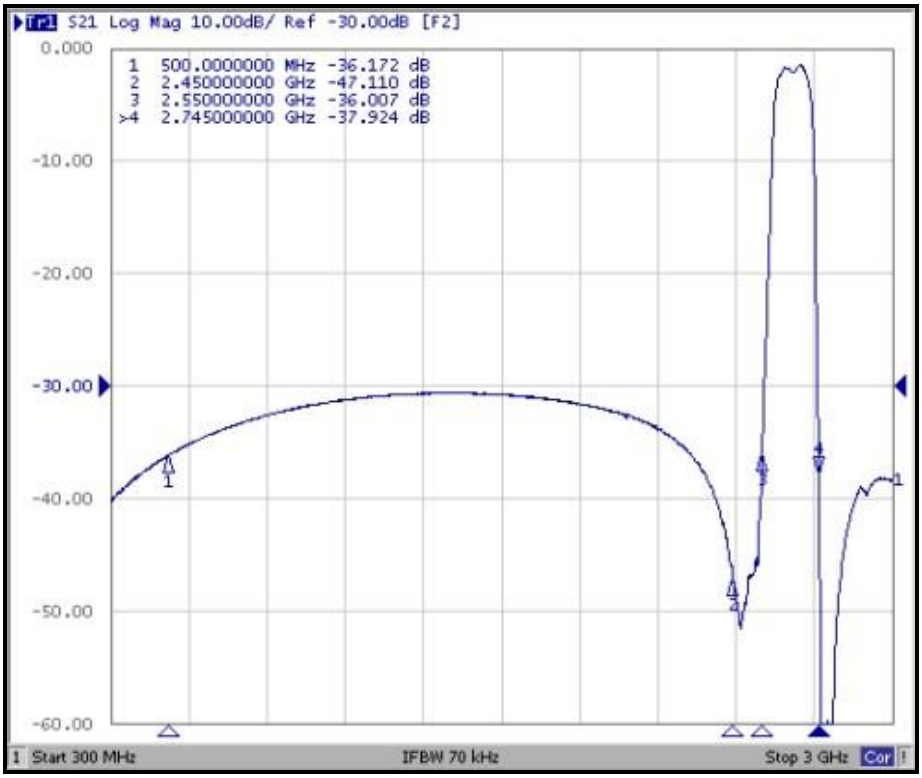
Parameter	Specification	Remark
1. Center Frequency	2655MHz	
2. Bandwidth [BW]	Fc ±35MHz[2620~2690MHz]	
3. Insertion Loss in BW	3.6dB Max.	
4. Amplitude Ripple in BW	2.2dB Max.	
5. Group Delay Ripple in BW	35ns Max.	
6. VSWR in BW	2.5:1 Max.	
7. In/Out Impedance	50Ω	
8. Attenuation [Absolute Value]	20dB Min.@ 300~500MHz	
	22dB Min.@ 500~2450MHz	
	25dB Min.@ 2450~2550MHz	
	15dB Min.@ 2745~3000MHz	
9. Input Power Level	15dBm	
10. DC Voltage	12V	
11. Operating Temperature	-40℃ to +85℃	
12. Storage Temperature	-40℃ to +85℃	

Remarks: This is a preliminary datasheet for reference.

■ Simulation Data

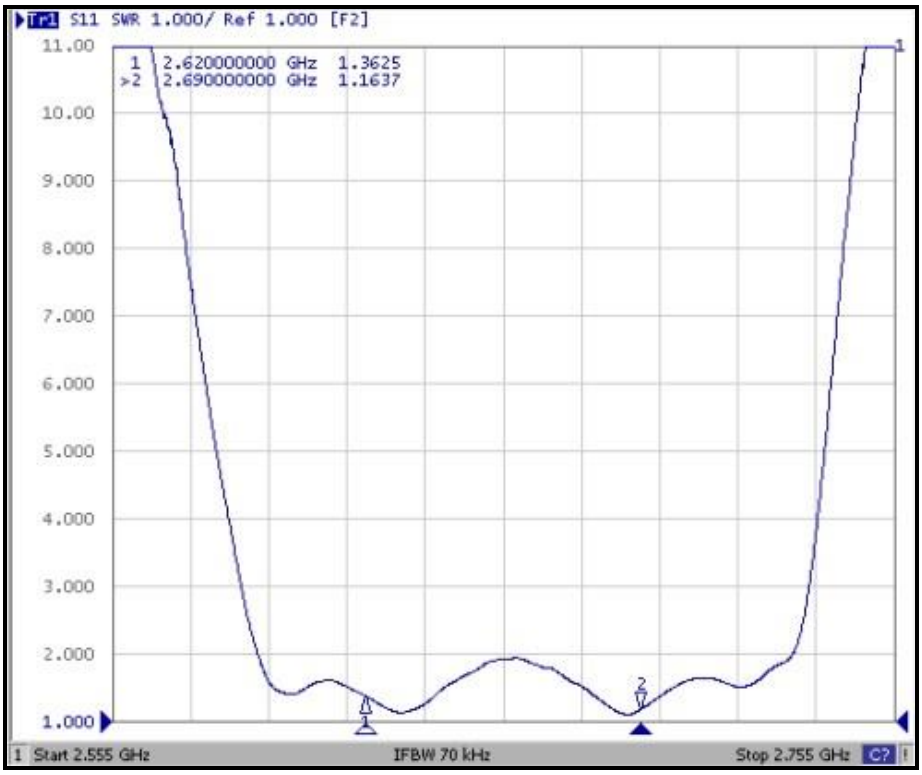
1) Transfer Functions



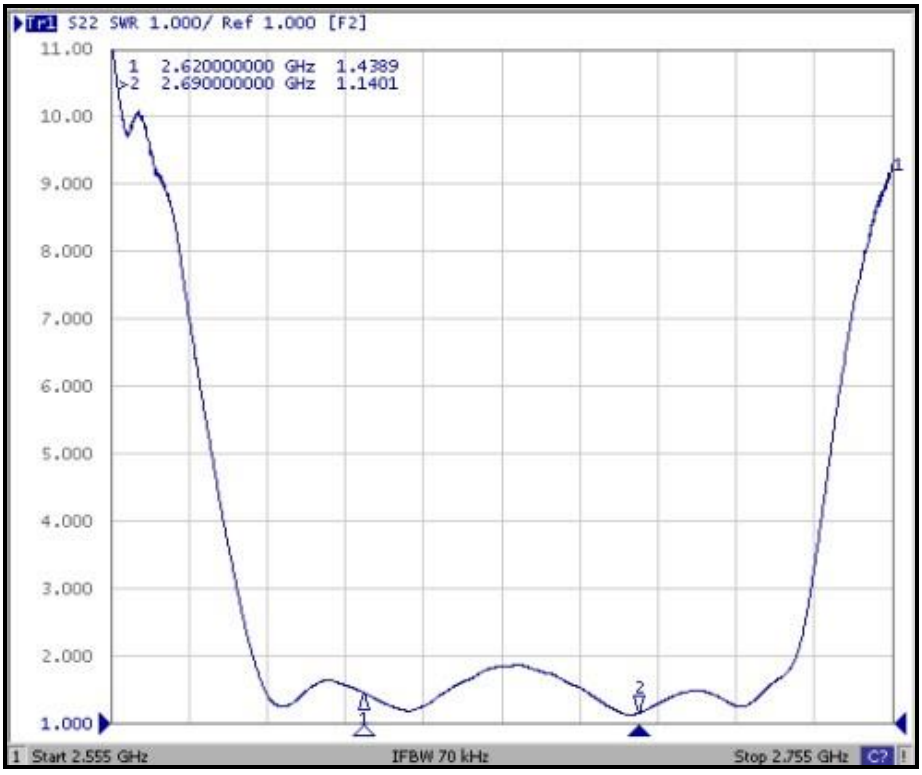


2) Reflections Functions

S11

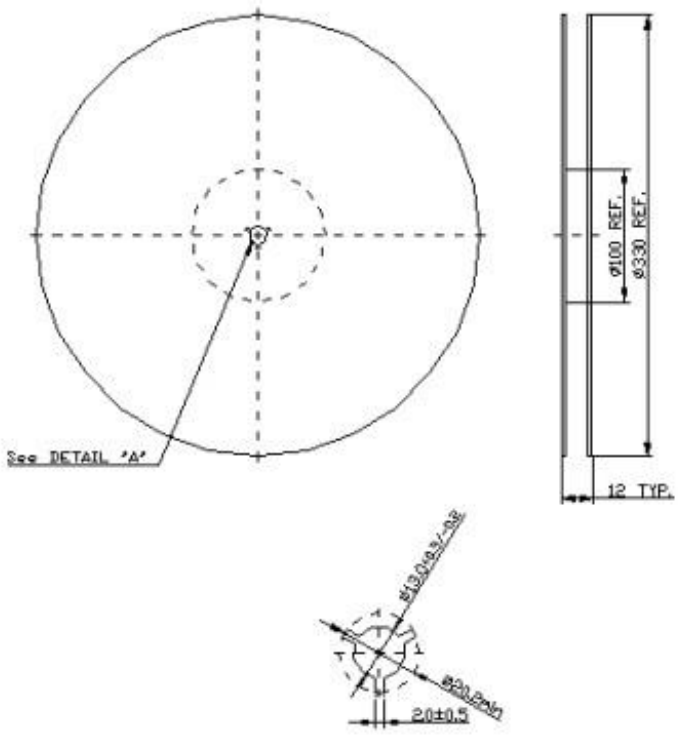


S22

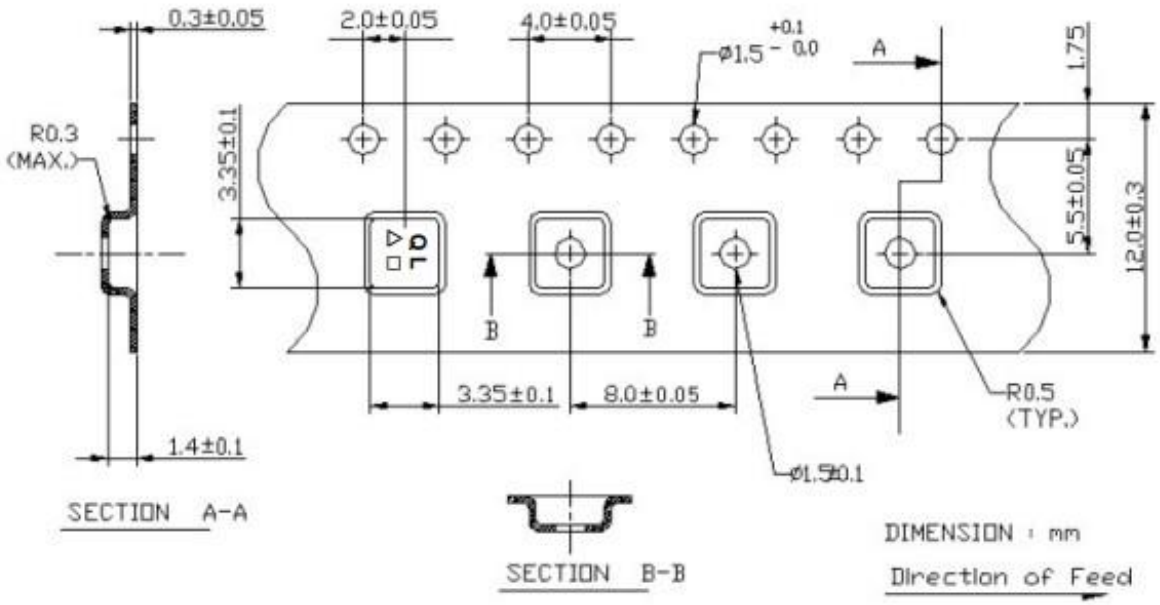


■ Packing

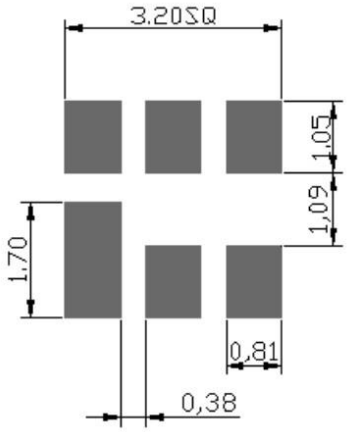
1. REEL DIMENSION



2. TAPE DIMENSION



■ Recommended PCB Board Pattern



■ Recommended Reflow Profile

1. Preheating shall be fixed at 150~180℃ for 60~90 seconds.
2. Ascending time to preheating temperature 150℃ shall be 30 seconds min.
3. Heating shall be fixed at 220℃ for 50~80 seconds and at 250±10℃ peak (max. 10sec).
4. Time: 2 times.