



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

TEL: 886-3-4690038 FAX: 886-3-4697532

E-mail: tstsales@mail.taisaw.com Web: www.taisaw.com

Product Specifications Approval Sheet

Product Description: SAW Filter 2605 MHz Band 41 SMD 1.4x1.1 mm (BW=100MHz)

TST Part No.: TA1964B (This part is compliant with AEC-Q200)

Customer Part No.: _____

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Anne Chen 

Approved by: _____ Andy Yu 

Date: _____ 2019/12/13

1. Customer signed back is required before TST can proceed with sample build and receive orders.
2. Orders received without customer signed back will be regarded as agreement on the specifications.
3. Any specifications changes must be approved upon by both parties and a new revision of specifications shall be released to reflect the changes.



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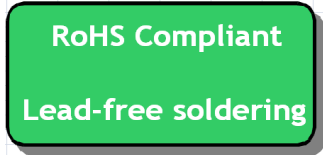
SAW Filter 2605 MHz

MODEL NO.:TA1964B

REV. NO.:2.0

A. MAXIMUM RATING:

1. Input Power Level: 29 dBm, 5000h 50 deg.C
2. DC Voltage : 3 V (25±2 deg.C)
3. Operating Temperature: -40 °C to +85 °C
4. Storage Temperature: -55 °C to +125 °C
5. Moisture Sensitivity Level: Level 3
6. ESD 50V(MM) 100V(HBM)
7. Pre-aging condition to 150C / 8hrs



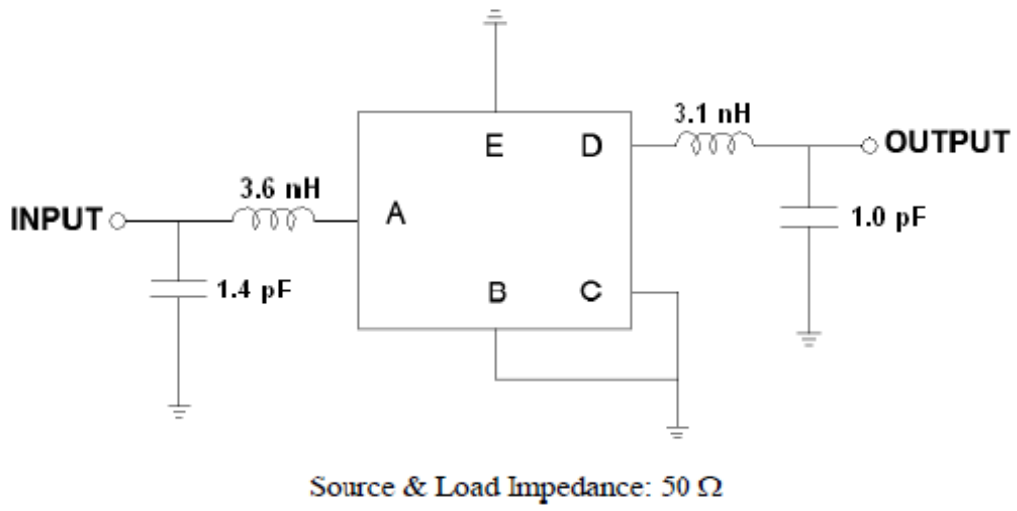
Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

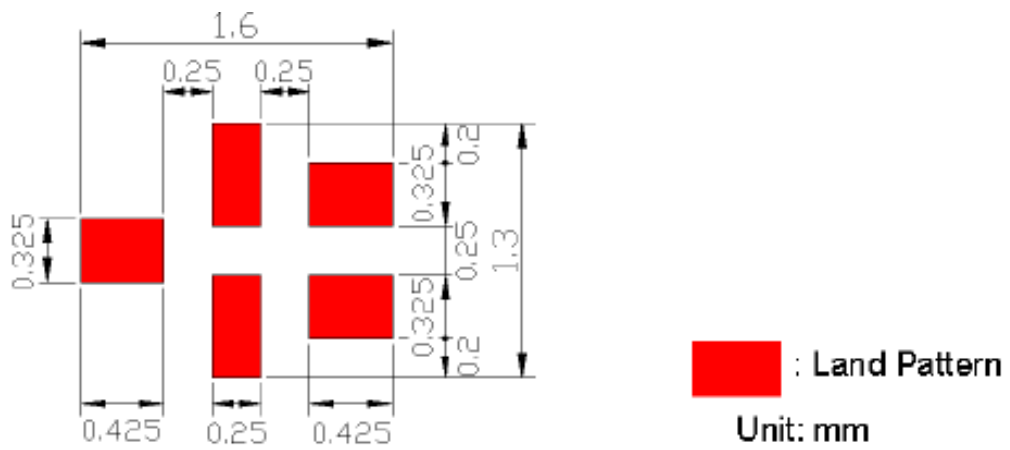
Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	2605		-
Insertion Loss IL 2555 ~ 2655 MHz	dB(*)	-	2.4	3.1	-
Amplitude Ripple 2555 ~ 2655 MHz	dB	-	1.5	2.5	-
VSWR 2555 ~ 2655 MHz	-	-	1.8	2.2	-
Attenuation (Reference level from 0 dB)					
10 ~ 960 MHz	dB	39	44	-	-
1225 ~ 2400 MHz	dB	30	34	-	-
2400 ~ 2473 MHz	dB	37	43	-	-
2456 ~ 2483 MHz	dB	40	44	-	-
2750 ~ 4900 MHz	dB	19	29	-	-
4900 ~ 6000 MHz	dB	12	23	-	-
6000 ~ 8000 MHz	dB	5	12	-	-

(*) Specification of insertion loss excludes loss that comes from the test board.

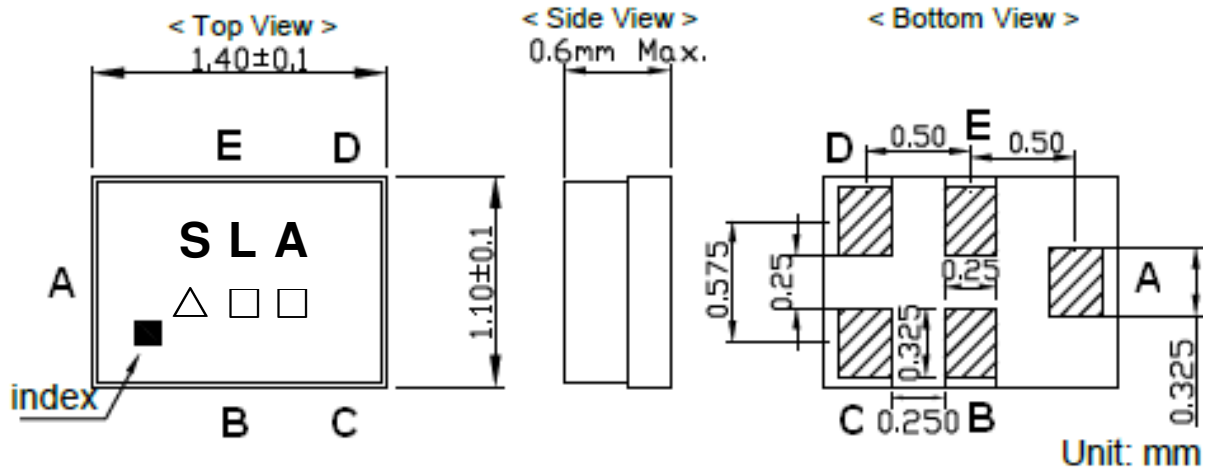
C. MEASUREMENT CIRCUIT:



D. PCB Footprint:



E. OUTLINE DRAWING:



Not Specified Tolerance : +/-0.1 mm

Pin Configuration

Pin No.	Symbol	Function
A	IN	Single-ended pin
B	GND	Ground
C	GND	Ground
D	OUT	Single-ended pin
E	GND	Ground

Marking Descriptions

Marking name : **SLA**

△ : Date code

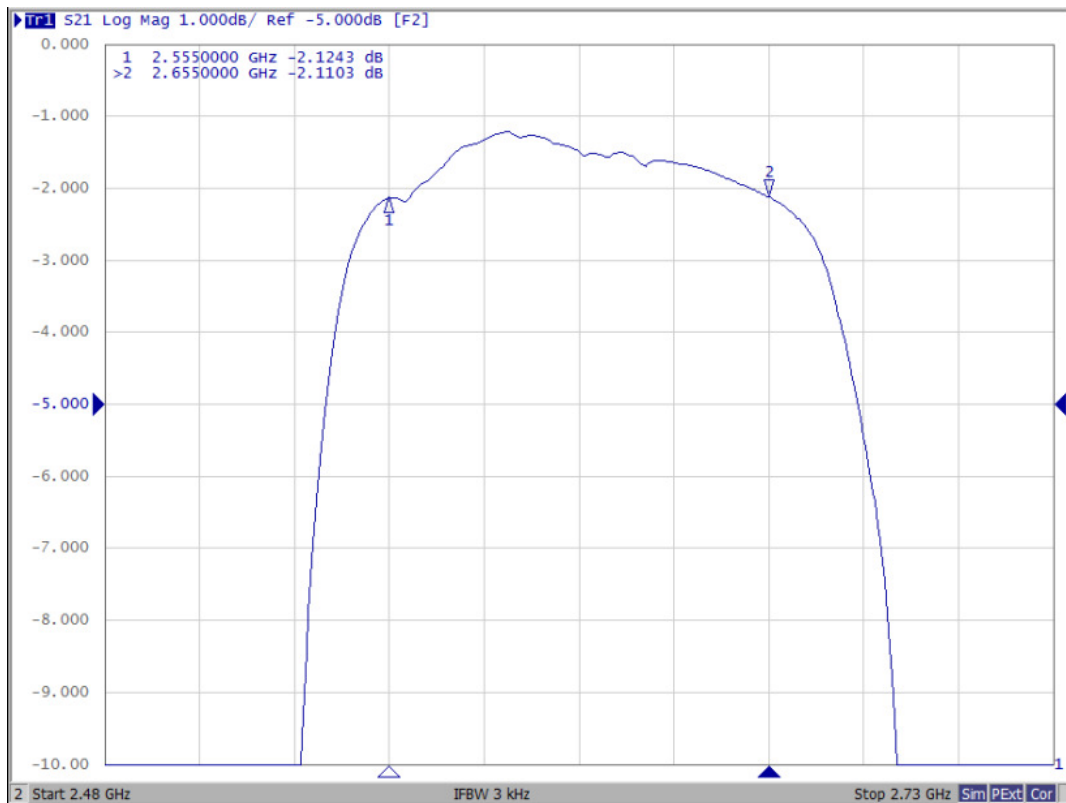
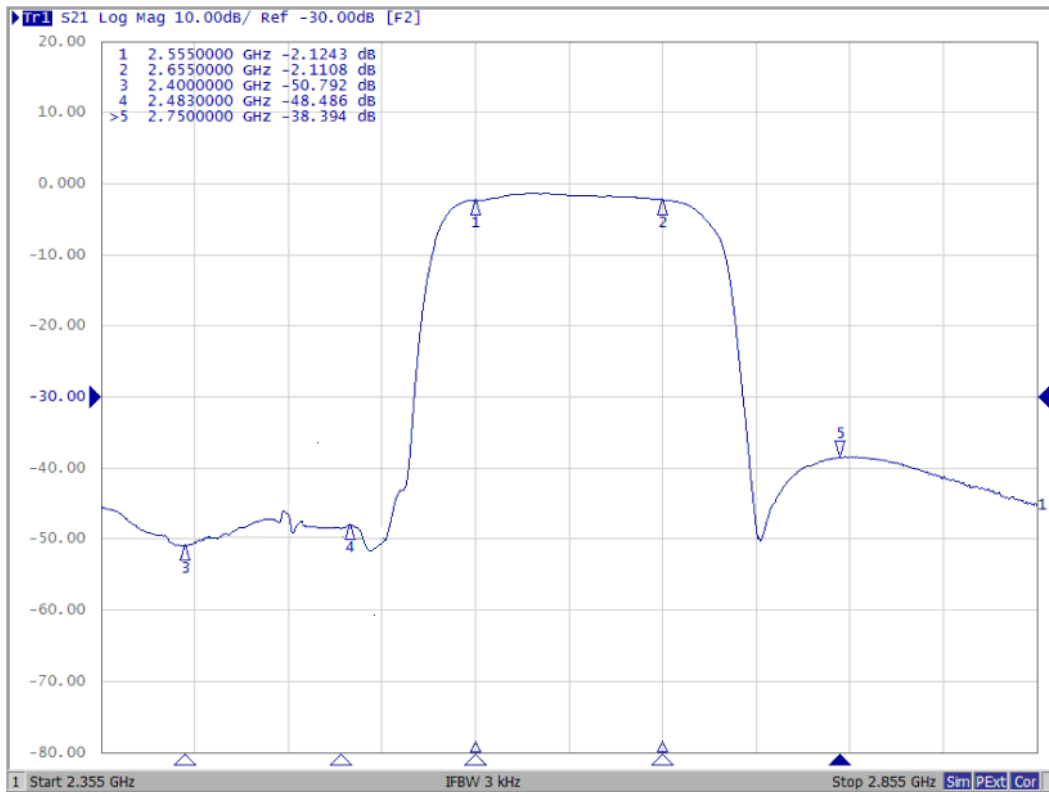
□ : Lot No. (Indicated by 0~9 or A to Z and a to z, except I, O, i, o and l)

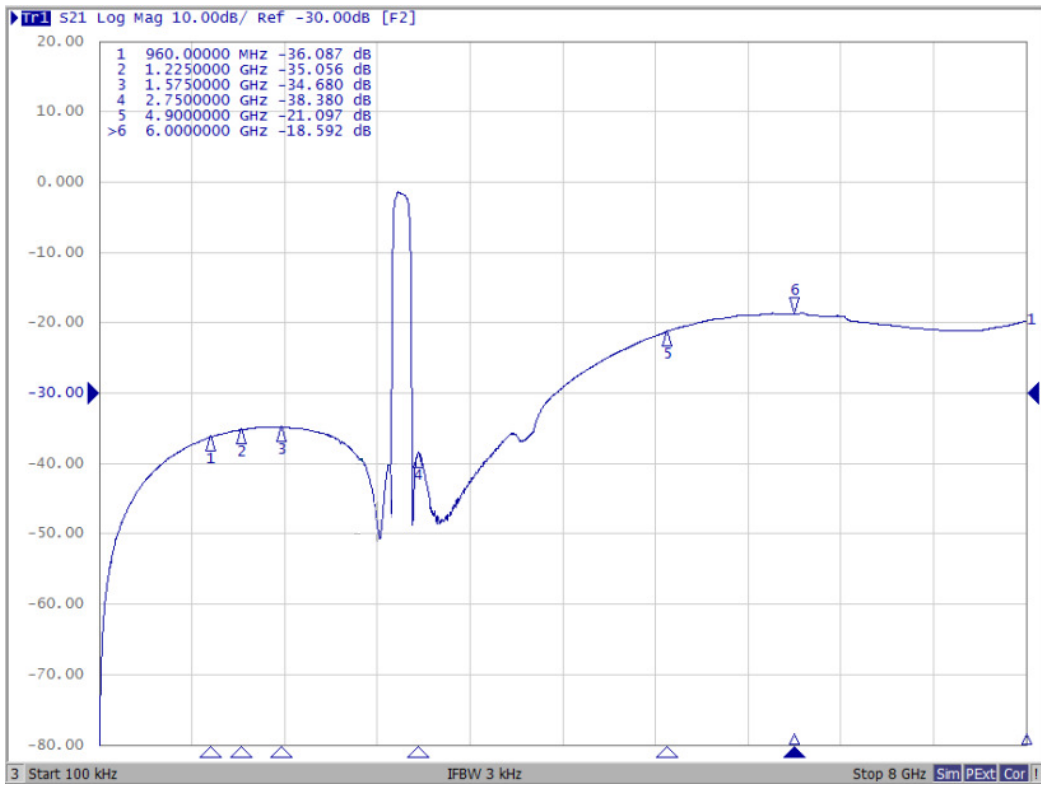
Date Code. Follow below table. (4-year cycle)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2019 / 2023	a	b	c	d	e	f	g	h	j	k	l	m
2020 / 2024	n	p	q	r	s	t	u	v	w	x	y	z
2021 / 2025	A	B	C	D	E	F	G	H	J	K	L	M
2022 / 2026	N	P	Q	R	S	T	U	V	W	X	Y	Z

F. FREQUENCY CHARACTERISTICS:

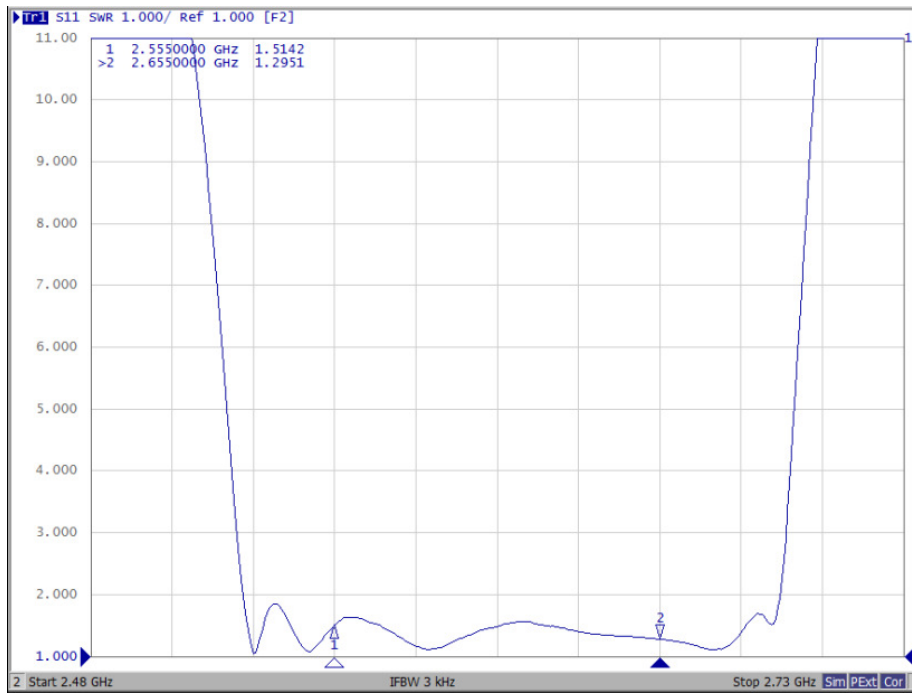
Passband



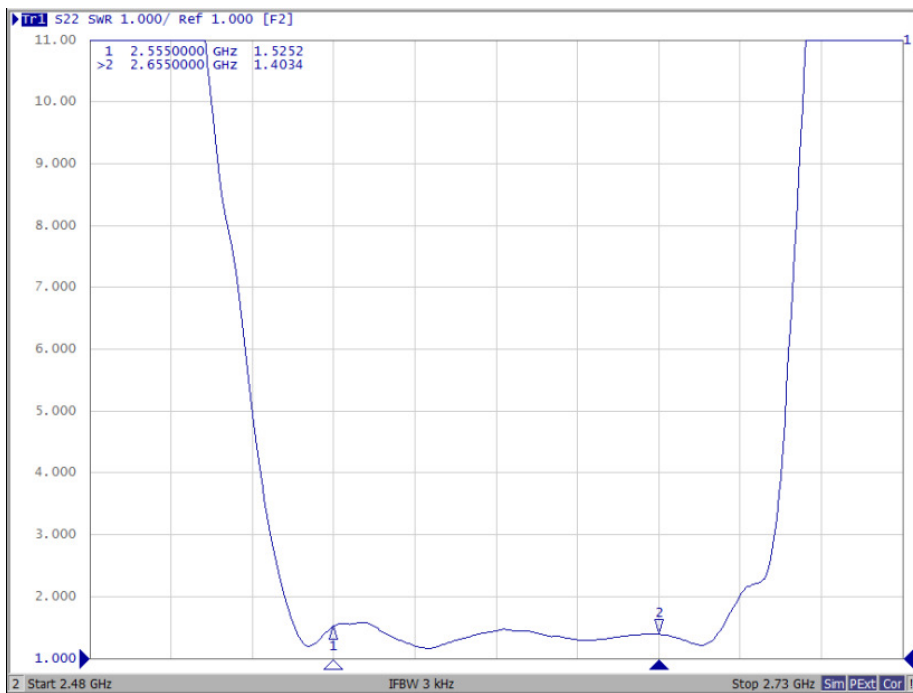


Reflection Functions :

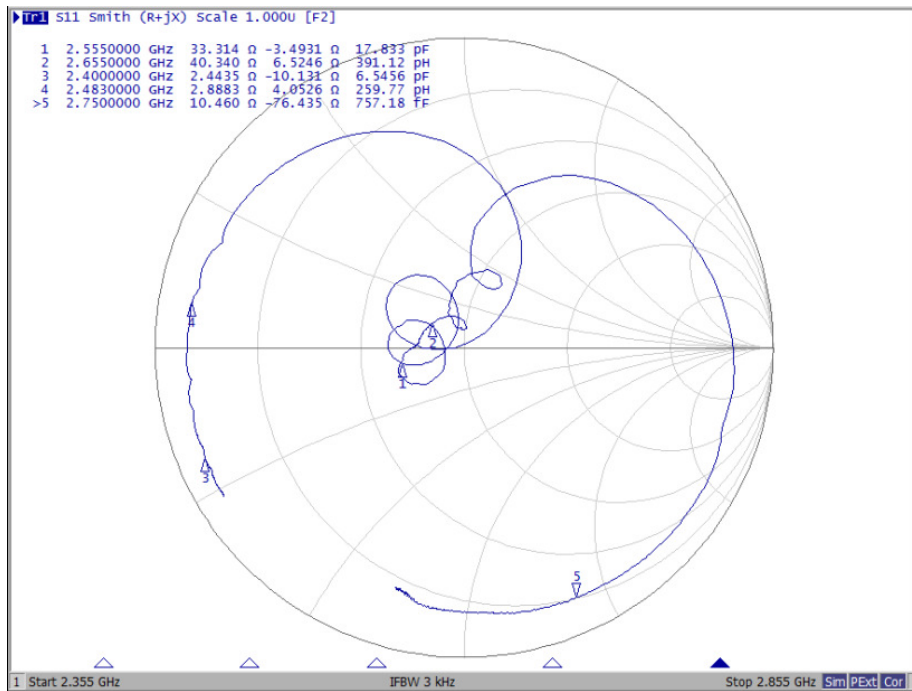
S11 VSWR



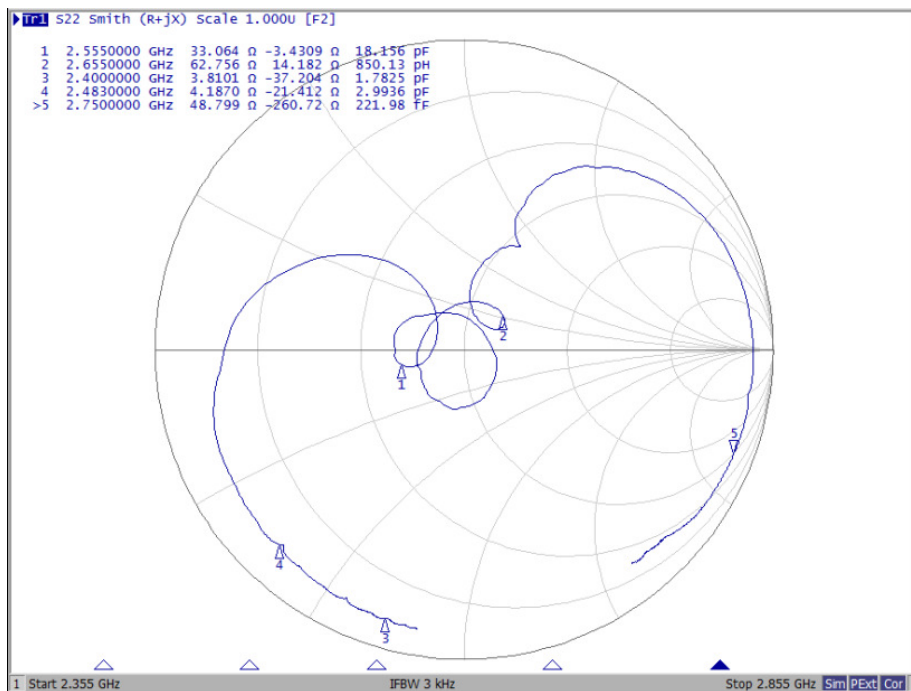
S22 VSWR



S11 Smith Chart



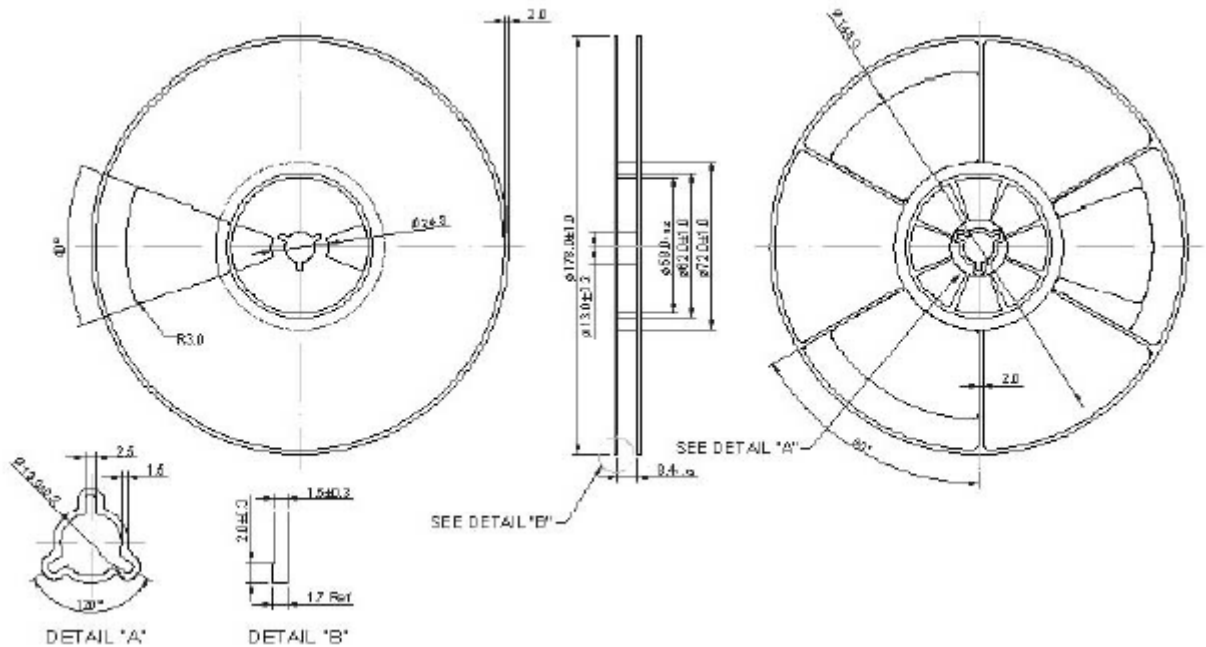
S22 Smith Chart



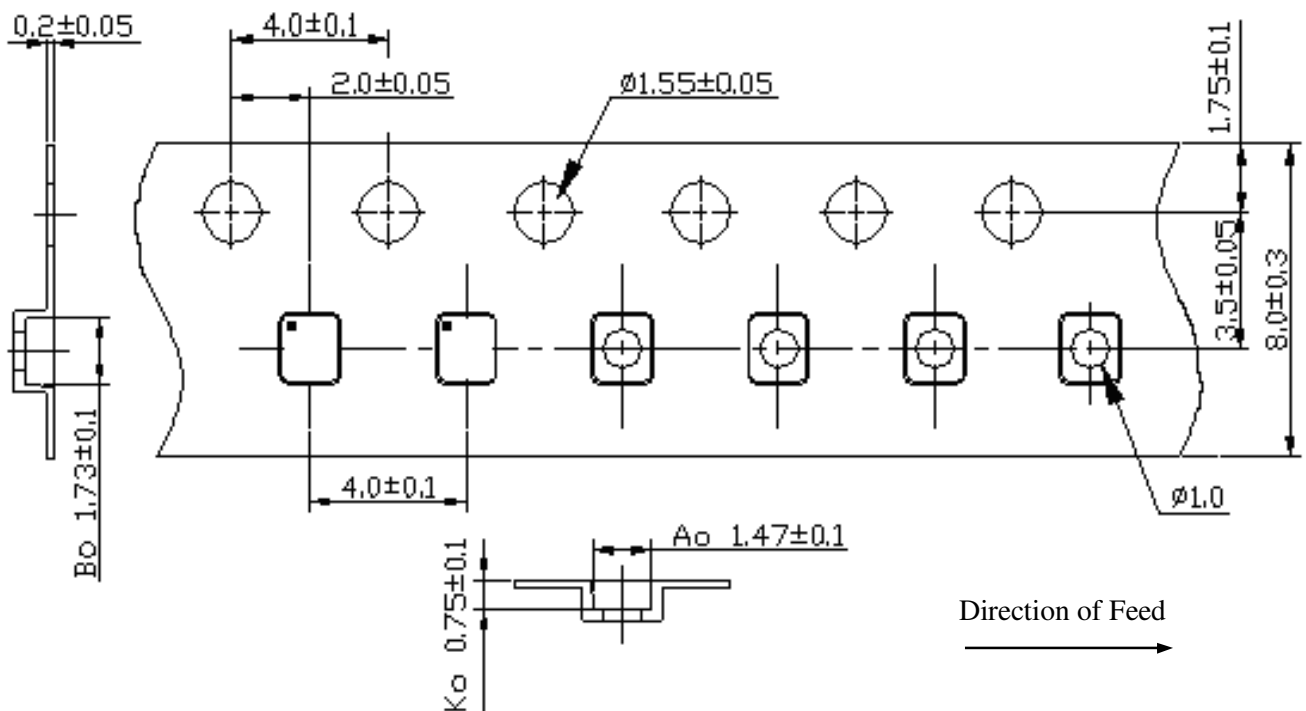
G. PACKING:

1. REEL DIMENSION

(Please refer to FR-75D10 for packing quantity)



2. TAPE DIMENSION



H. Recommended Reflow Profile:

1. Preheating shall be fixed at 150~180°C for 60~90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50~80 seconds and at 260°C +0/-5°C peak (20~40sec).
4. Time: 2 times.

