



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Product Specifications Approval Sheet

Product Description: SAW Filter 2655 MHz B7 Rx SMD 1.1x0.9 mm (BW=70 MHz)

TST Part No.: TA1847CC

Customer Part No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Hayley Chou *Hayley Chou*

Approved by: _____ Andy Yu *Andy Yu*

Date: _____ 2017/04/11

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 2655 MHz B7 Rx SMD 1.1x0.9 mm

MODEL NO.: TA1847CC

REV. NO.:1.0

A. MAXIMUM RATING:

1. Maximum Input Power: +10 dBm
2. Maximum DC Voltage: +/-5 V
3. Operating temperature range: -30 °C to +85 °C
4. Storage temperature range: -40 °C to +100 °C
5. Moisture Sensitivity Level: Level 1 (MSL 1)
6. ESD: 50 V(MM), 100 V(HBM)

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

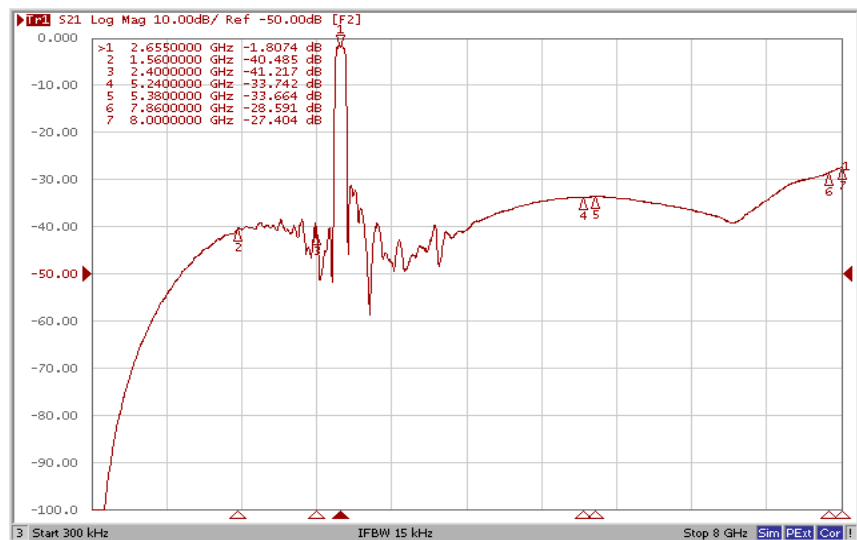
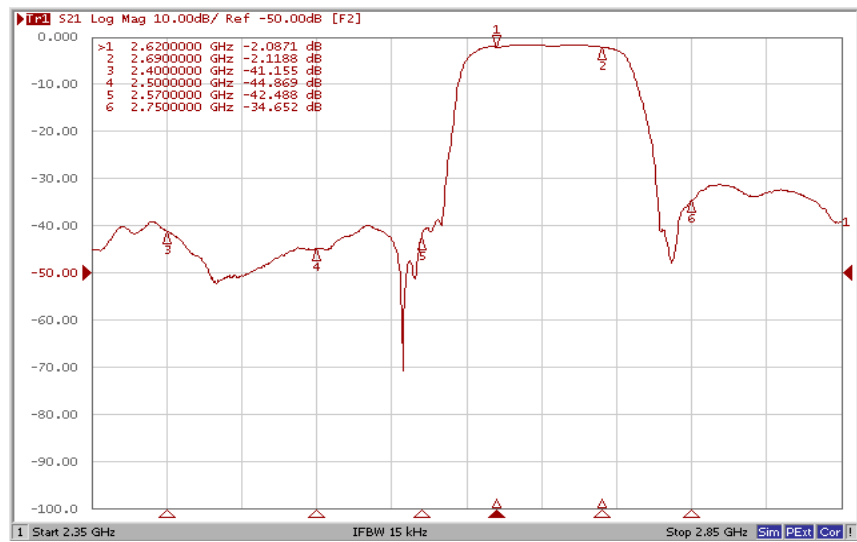
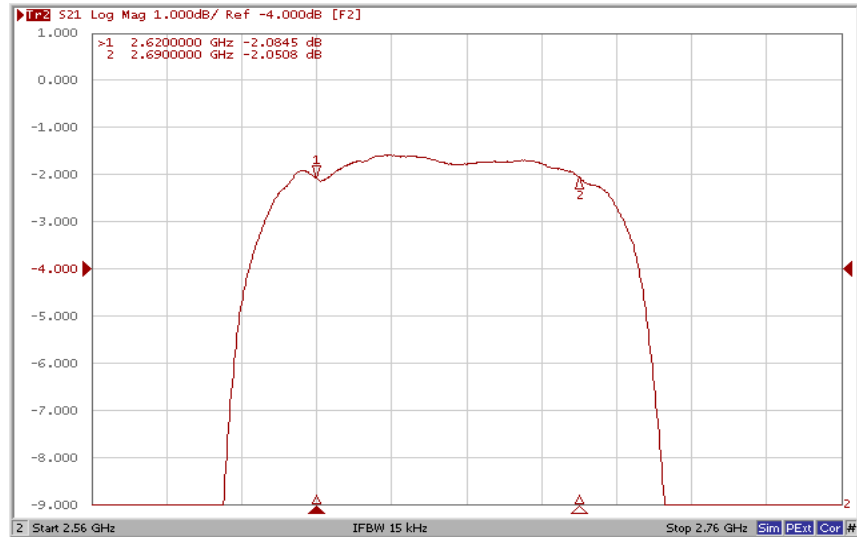
Terminating source impedance: $Z_s = 50/5.1\text{nH } \Omega$ (Single-ended)

Terminating load impedance: $Z_L = 50/5.1\text{nH } \Omega$ (Single-ended)

Parameters Description			Unit	Minimum	Typical	Maximum
Center Frequency			MHz	-	2655	-
Insertion Loss(*1)		2620~2690MHz	dB	-	2.5	3.0
Amplitude Ripple		2620~2690MHz	dB	-	0.8	1.5
VSWR	Input	2620~2690MHz	-	-	1.6	2.0
	Output	2620~2690MHz	-	-	1.8	2.2
Attenuation:						
1~2400 MHz			dB	30	36	-
45 MHz			dB	50	65	-
2400~2500 MHz			dB	32	37	-
2500~2570 MHz			dB	35	38	-
2570~2600 MHz			dB	2	4	-
2775~6000 MHz			dB	15	30	-
7620~7830 MHz			dB	15	25	-
7860~8000 MHz			dB	15	24	-

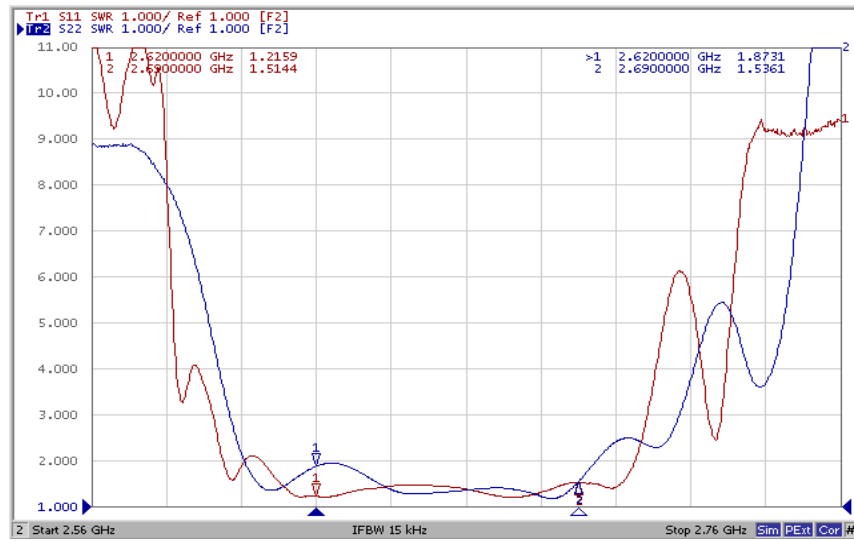
(*1) Specification of insertion loss includes loss that comes from the test board.

C. FREQUENCY CHARACTERISTICS:

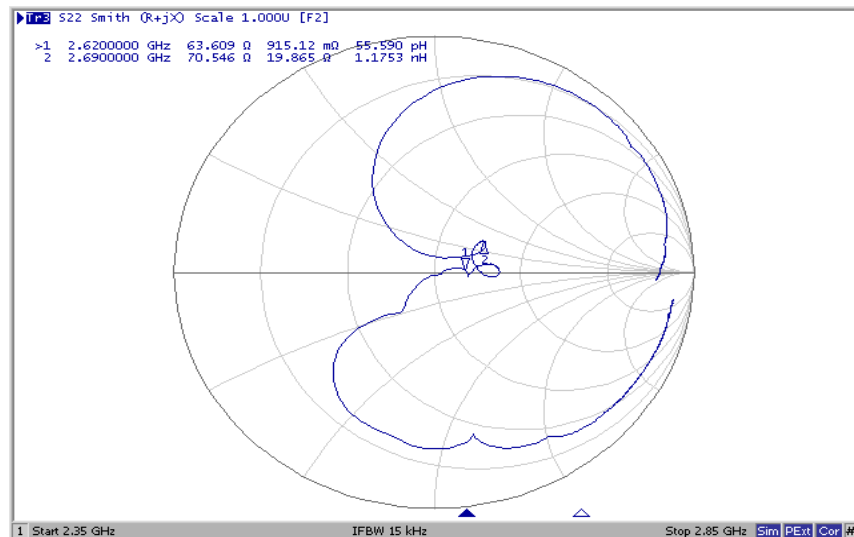
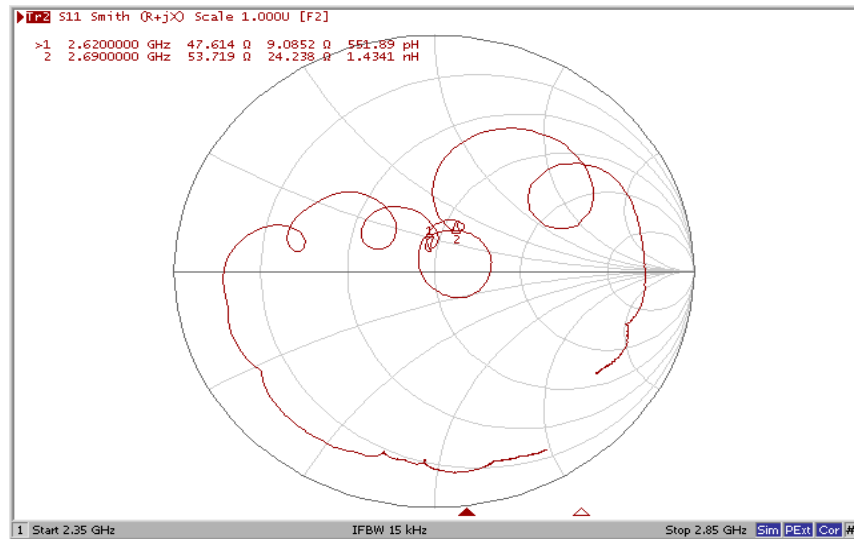


Reflection Functions:

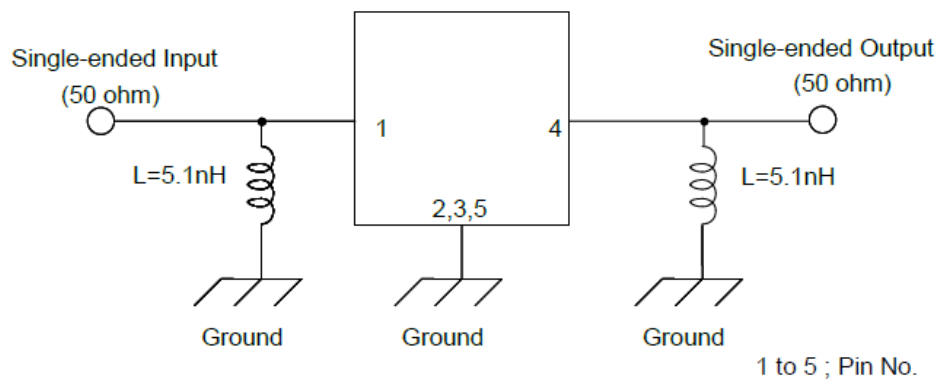
VSWR



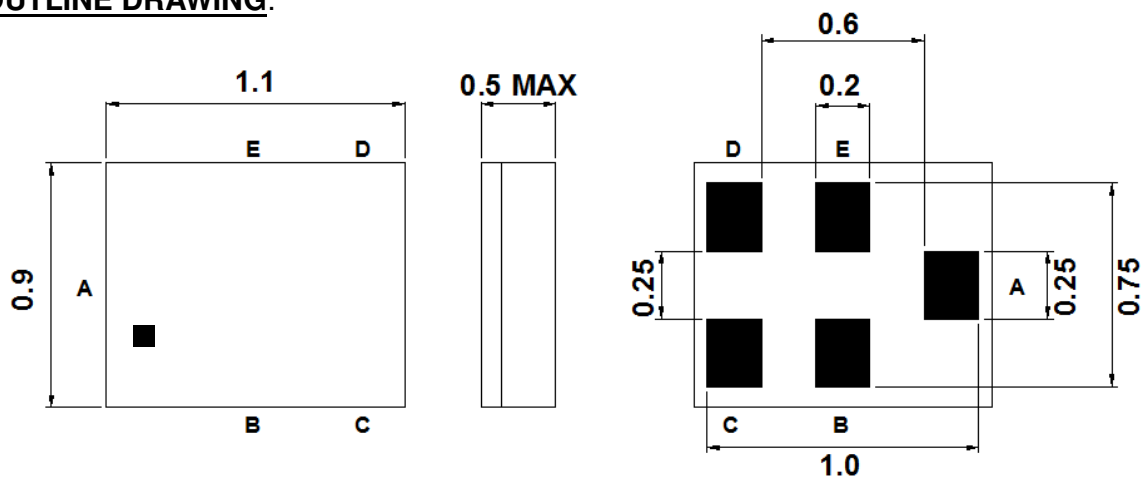
Smith Chart



D. MEASUREMENT CIRCUIT:

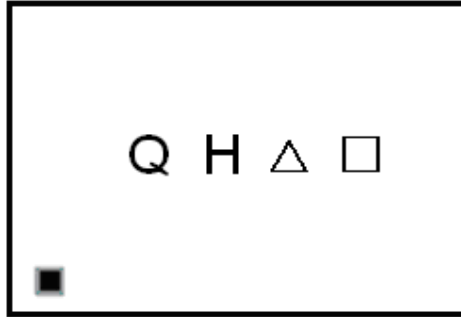


E. OUTLINE DRAWING:

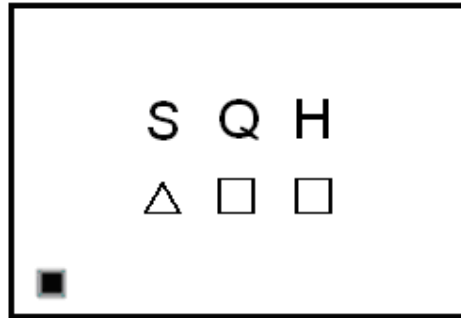


Pin Description	
B, C, E	Ground
A	Input
D	Output

Top View (Sample Production):



Top View (Mass Production):



△ : Date Code

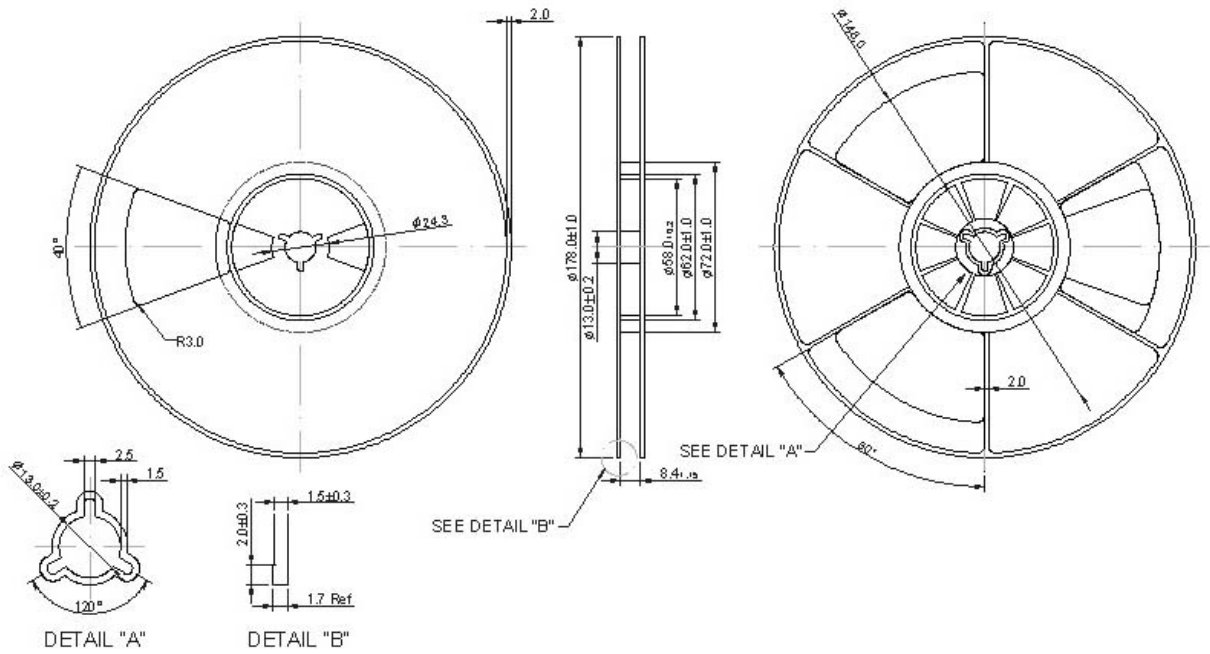
□ : Lot No. (Indicated by 0~9 or A to Z and a to z, except I, O, i, o and l)

Date Code:

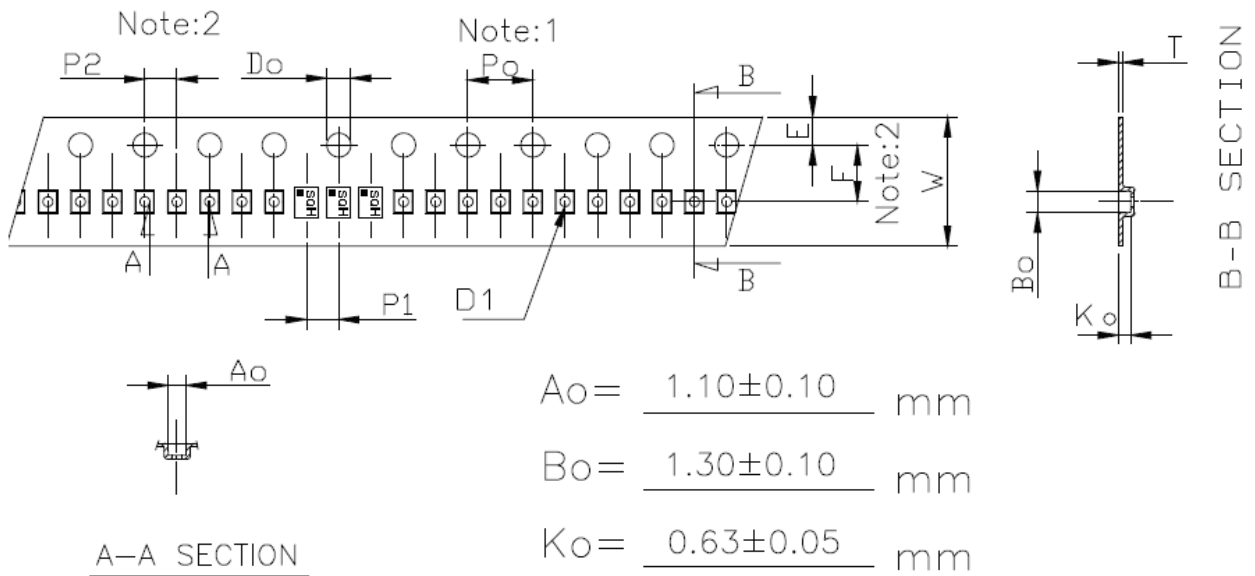
Year	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
2015	a	b	c	d	e	f	g	h	j	k	l	m
2016	n	p	q	r	s	t	u	v	w	x	y	z
2017	A	B	C	D	E	F	G	H	J	K	L	M
2018	N	P	Q	R	S	T	U	▽	W	X	Y	Z

F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



G. 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.

