



TAI-SAW TECHNOLOGY CO., LTD.

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

Product Name: SAW Filter 773 MHz B28 Rx SMD 1.1x0.9 mm (BW=30 MHz)

TST Parts No.: TA1897AC

Customer Parts No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Hayley Chou *Hayley Chou*

Approval 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 773 MHz B28 Rx SMD 1.1x0.9 mm

MODEL NO.:TA1897AC

REV.1.0

A. MAXIMUM RATING:

1. Maximum Input Power: 15 dBm
2. Operating Temperature: -30 °C to +85 °C
3. Storage Temperature Range: -40 °C to +85 °C
4. Moisture Sensitivity Level: Level 1 (MSL 1)
5. ESD: 100 V(MM), 200 V(HBM)

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

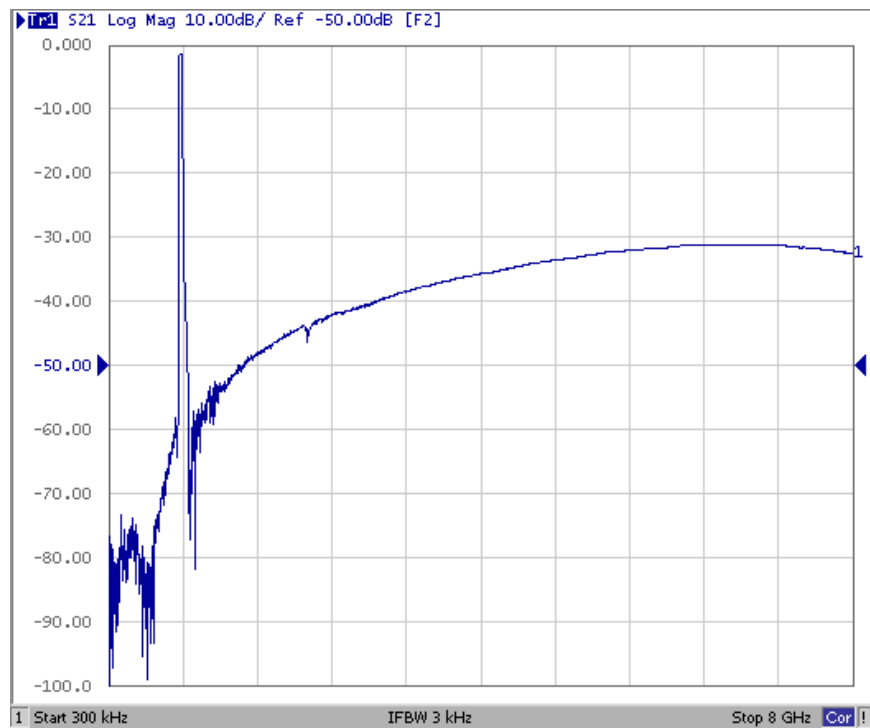
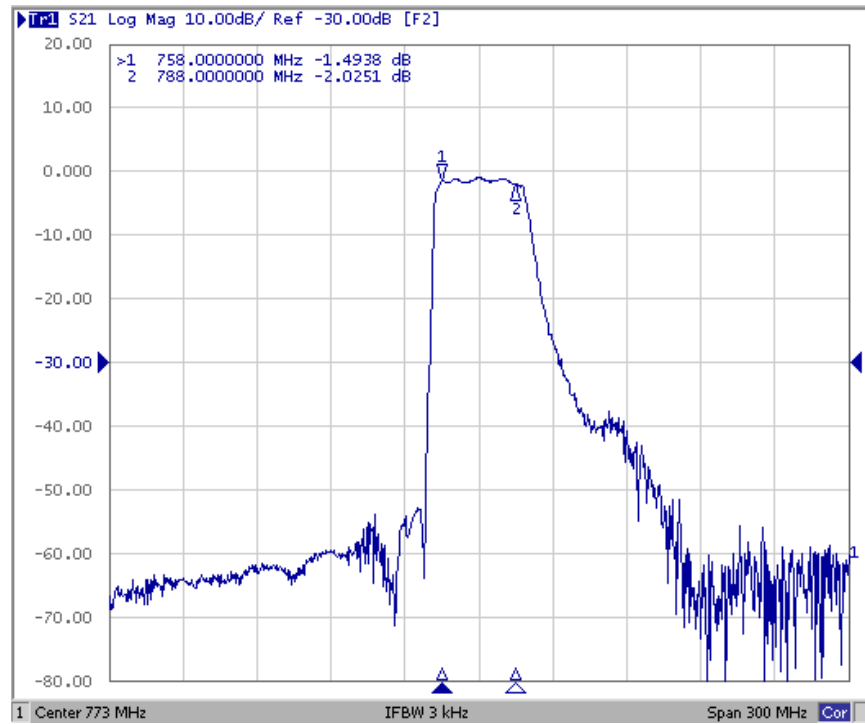
Terminating source impedance: $Z_s = 50 \Omega$

Terminating load impedance: $Z_L = 50 \Omega$

Parameters Description		Unit	Minimum	Typical	Maximum
Center Frequency		MHz	-	773	-
Insertion Loss	758~788 MHz	dB	-	2.1	3.0
Amplitude ripple	758~788 MHz	dB _{p-p}	-	1.1	2.3
VSWR(Input)	758~788 MHz	-	-	2.2	2.5
VSWR(Output)	758~788 MHz	-	-	2.2	2.5
Attenuation:					
703~733 MHz		dB	46	52	-
733~748 MHz		dB	46	53	-
1516~1576 MHz		dB	40	49	-
1559~1606 MHz		dB	40	48	-
2274~2364 MHz		dB	35	43	-
2400~2500 MHz		dB	35	43	-
3032~3152 MHz		dB	30	40	-
3790~3940 MHz		dB	30	39	-
4548~4728 MHz		dB	30	38	-
4900~5950 MHz		dB	30	37	-
5306~5516 MHz		dB	30	38	-
6064~6304 MHz		dB	30	39	-
6822~7092 MHz		dB	30	42	-
7580~7880 MHz		dB	25	49	-

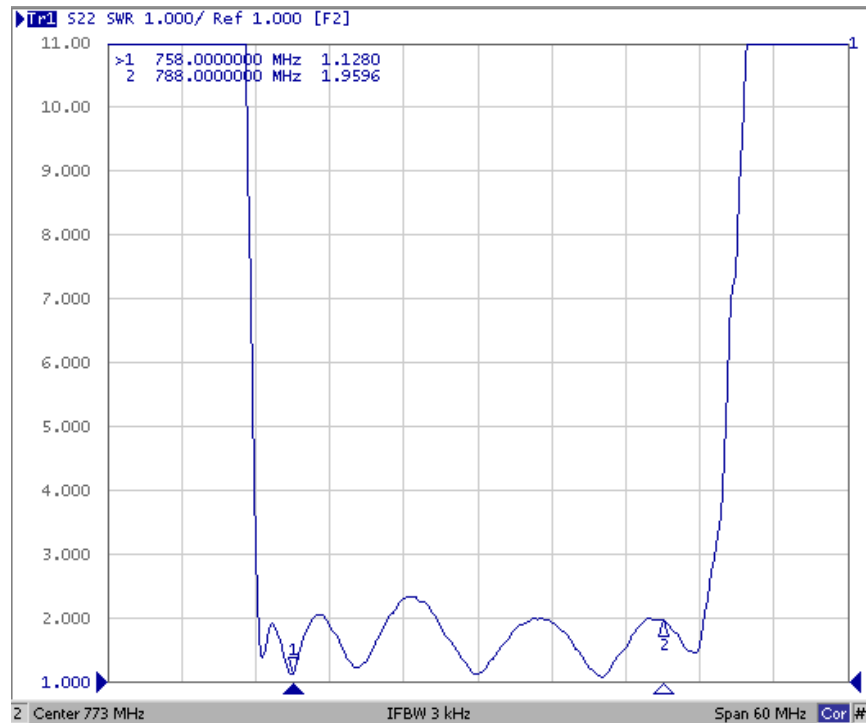
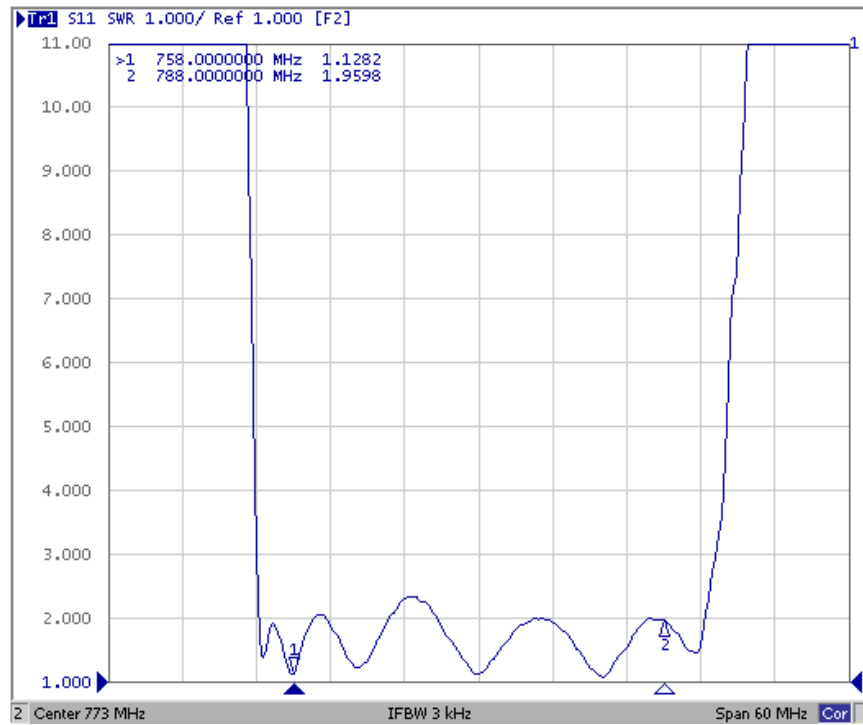
Notes: (1) No Matching Network.

C. FREQUENCY CHARACTERISTICS:

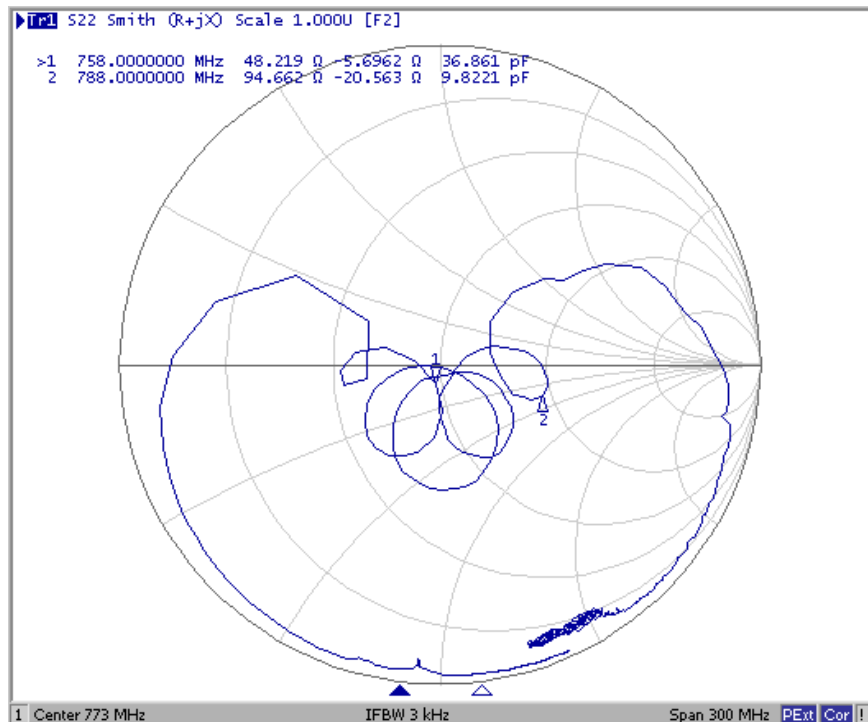
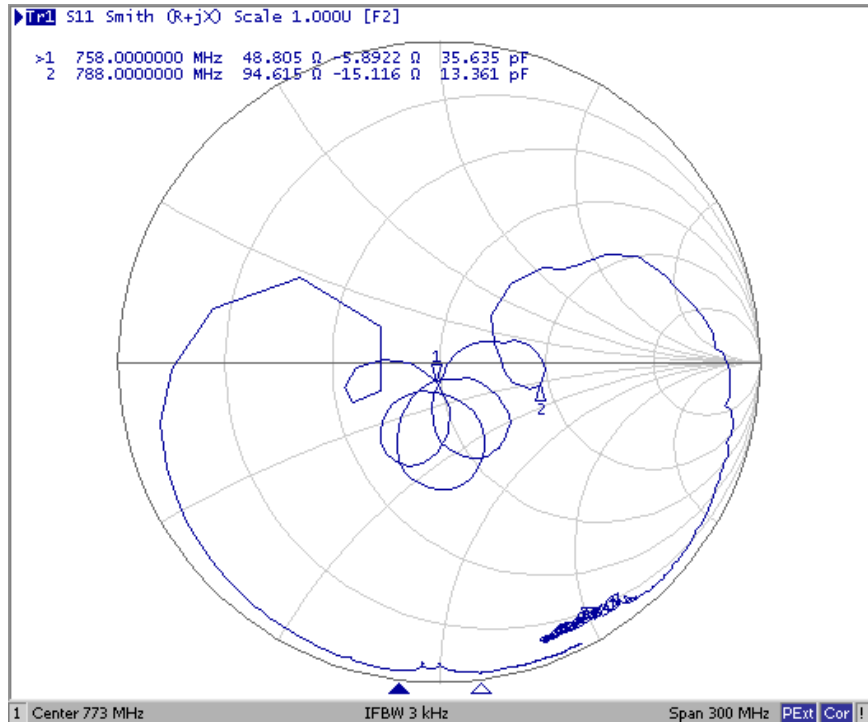


Reflection Functions:

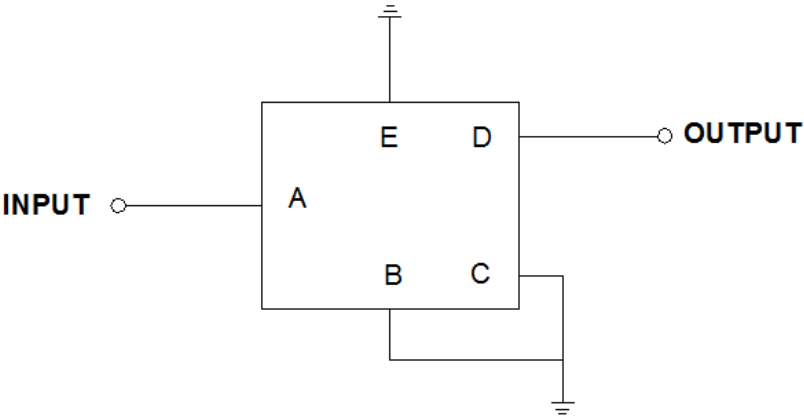
VSWR



Smith Chart

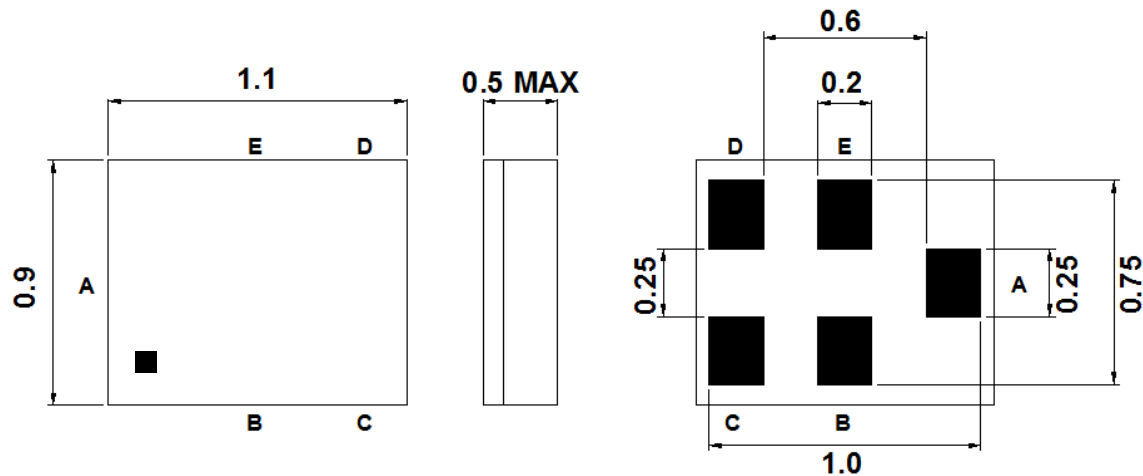


D. MEASUREMENT CIRCUIT:



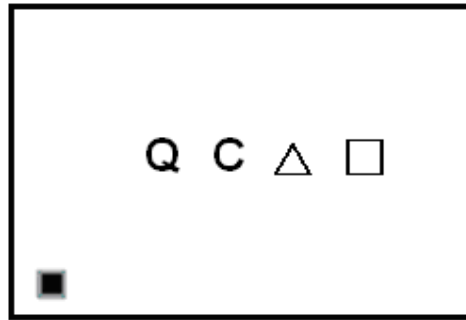
Source & Load Impedance: 50 Ω

E. OUTLINE DRAWING:

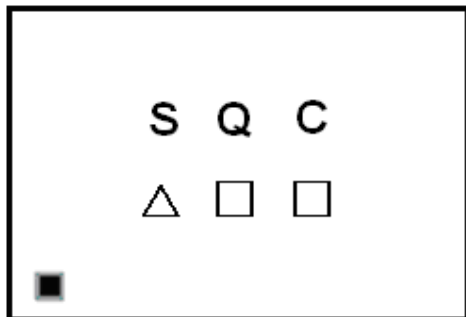


Pin Description	
B, C, E	Ground
A	Input
D	Output

Top View (Sample Production):



Top View (Mass Production):



△ : Date Code

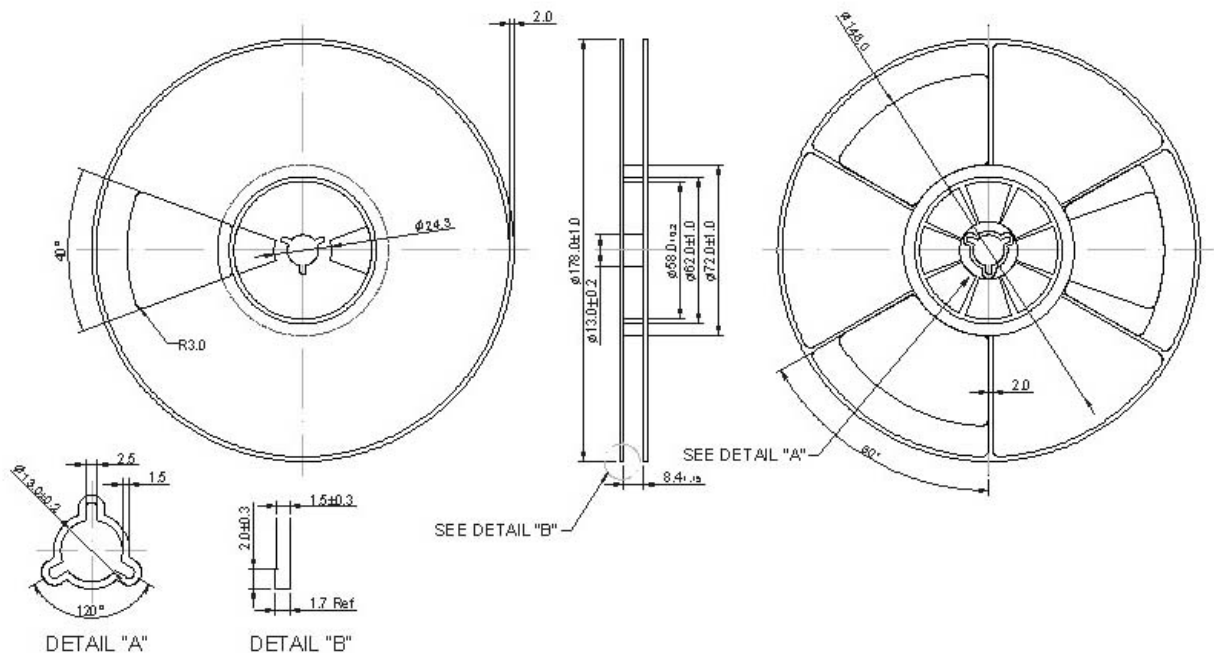
□ : Lot No. (Indicated by 0~9 or A to Z and a to z, except I, O, i, o and l)

Date Code:

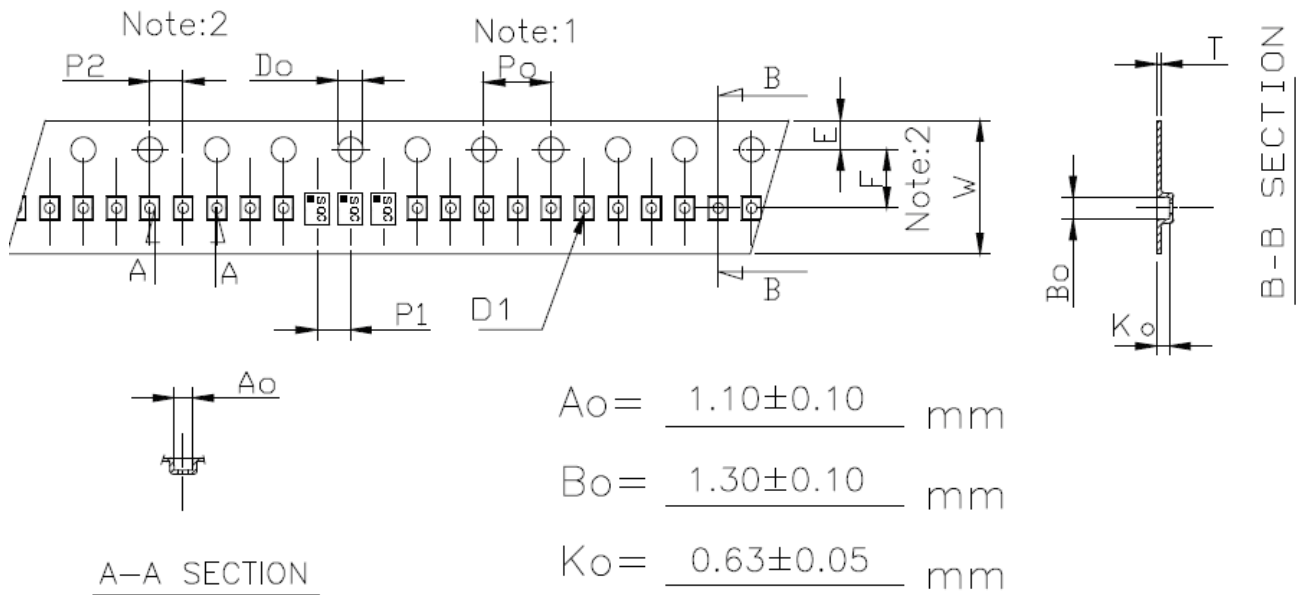
Year	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
2015	a	b	c	d	e	f	g	h	j	k	l	m
2016	n	p	q	r	s	t	u	v	w	x	y	z
2017	A	B	C	D	E	F	G	H	J	K	L	M
2018	N	P	Q	R	S	T	U	▽	W	X	Y	Z

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.

