



TAI-SAW TECHNOLOGY CO., LTD.

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

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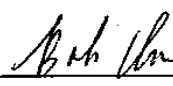
Product Specifications Approval Sheet

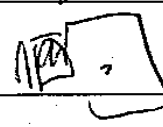
Product Description: SAW Filter 915 MHz SMD 1.4X1.1 mm (BW=26MHz)

TST Part No.: TA1294A

Customer Part No.: _____

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

Checked by: _____ Bob Chau 

Approved by: _____ Francis Chen 

Date: _____ 1, 21, 2011

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 915MHz

MODEL NO.:TA1294A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

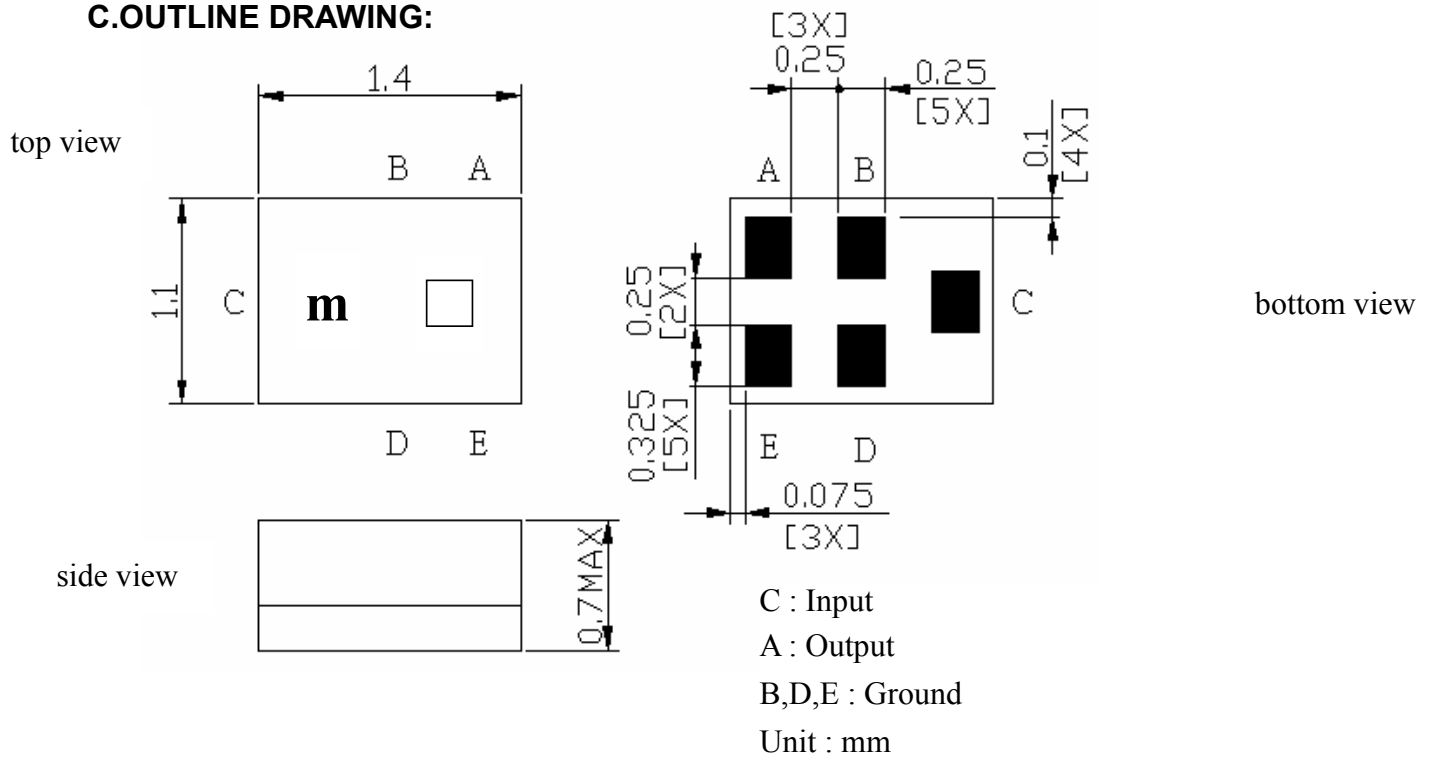
B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance : $Z_s = 50 \Omega$

Terminating load impedance : $Z_L = 50 \Omega$

Item	Unit	Min.	Type.	Max.	Note
Center Frequency Fc	MHz	-	915	-	-
Insertion Loss (902~928 MHz) IL	dB	-	2.5	3.1	-
Amplitude ripple (902~928 MHz)	dB	-	0.4	1.5	-
Return Loss (902~928 MHz)	dB	9	10	-	-
Group Delay Deviation (902~928 MHz)	ns	-	15	50	-
Attenuation					
0.1~702 MHz	dB	50	53	-	-
738~764 MHz	dB	49	53	-	-
820~846 MHz	dB	42	48	-	-
990~1010 MHz	dB	42	50	-	-
1072~1092 MHz	dB	49	53	-	-
1128~1804 MHz	dB	40	42	-	-
1804~1856 MHz	dB	40	42	-	-
1856~3000 MHz	dB	30	36	-	-

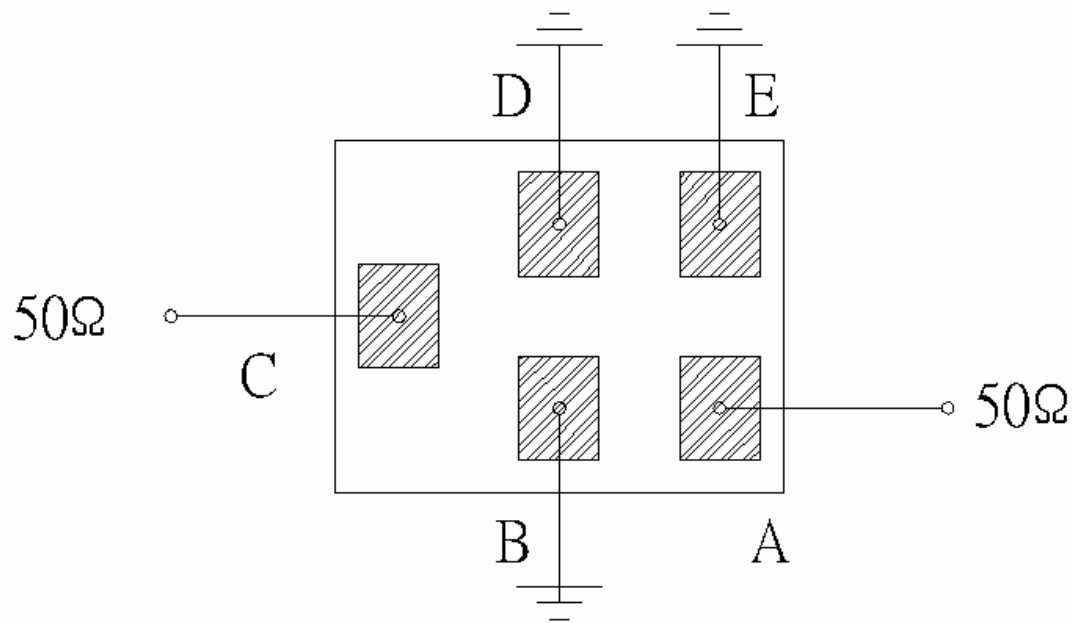
C.OUTLINE DRAWING:



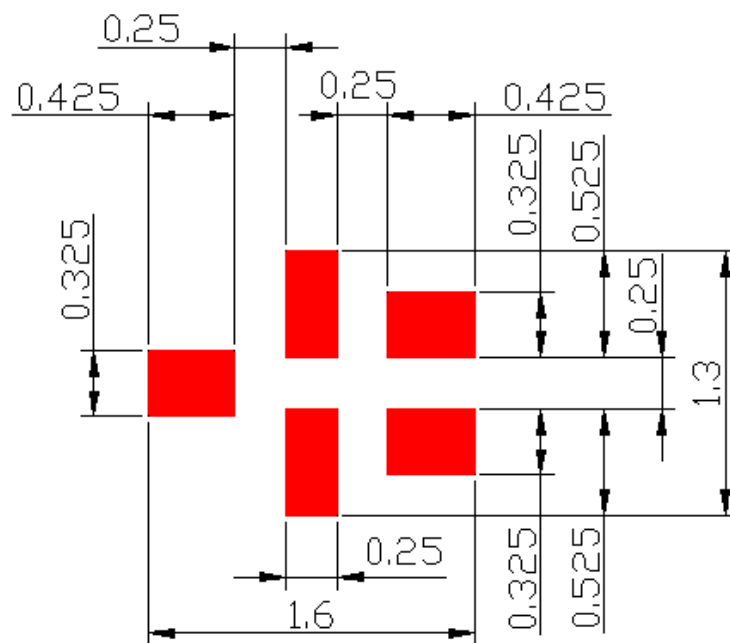
□ : Year/Month Code (Follow the table)

Year/Month	1	2	3	4	5	6	7	8	9	10	11	12
2009	A	B	C	D	E	F	G	H	J	K	L	M
2010	N	P	Q	R	S	T	U	V	W	X	Y	Z
2011	A	B	C	D	E	F	G	H	J	K	L	M
2012	N	P	Q	R	S	T	U	V	W	X	Y	Z
2013	A	B	C	D	E	F	G	H	J	K	L	M
2014	N	P	Q	R	S	T	U	V	W	X	Y	Z

D. MEASUREMENT CIRCUIT:

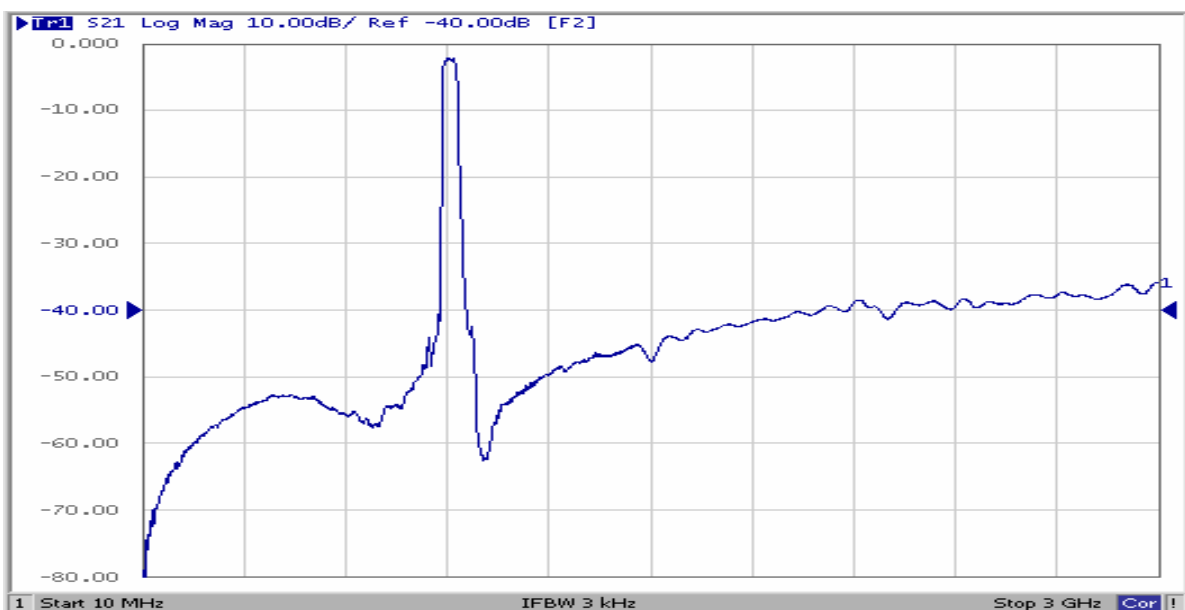
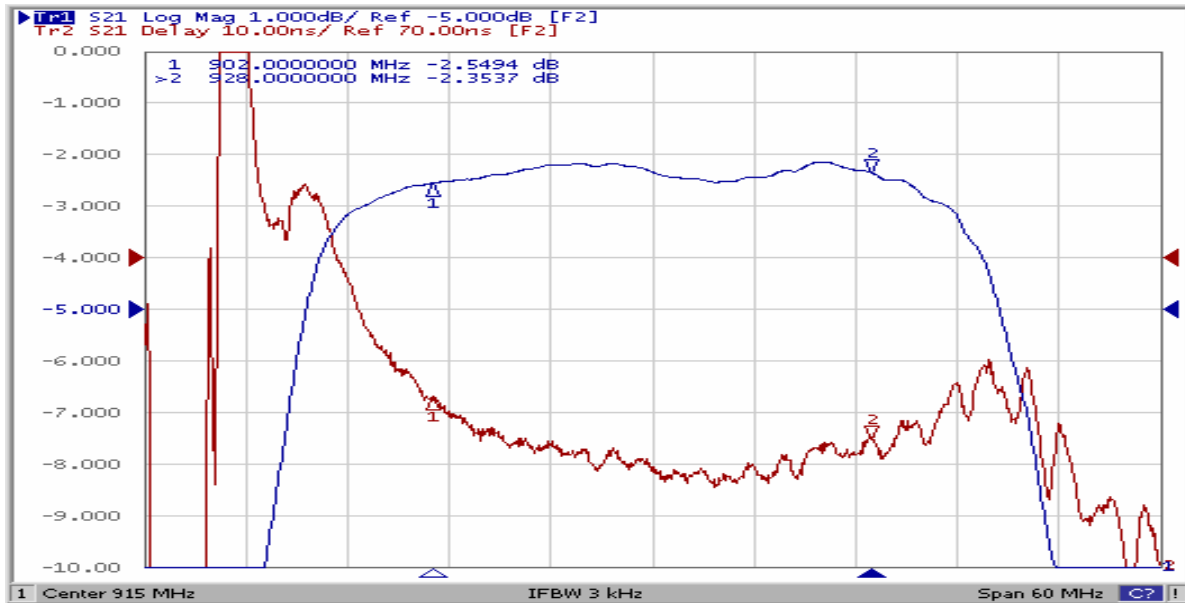


E. PCB Footprint:



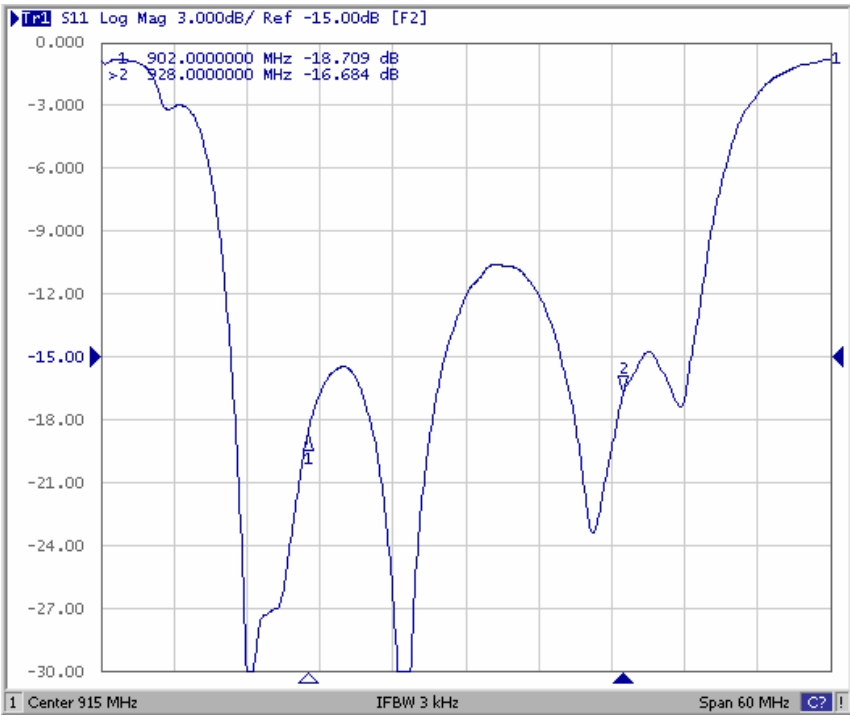
: Land Pattern
Unit : mm

F. Frequency Characteristics :

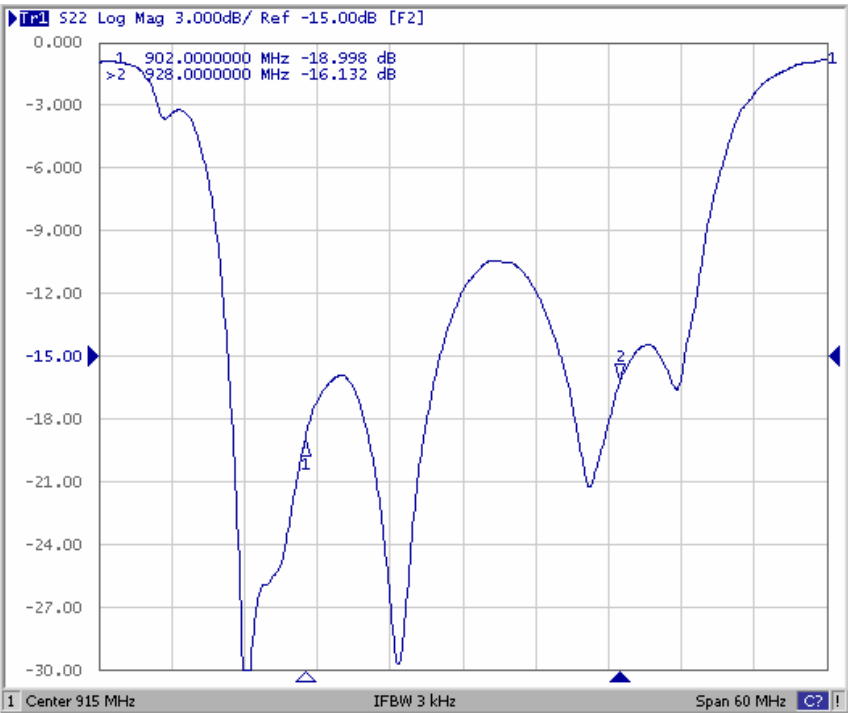


Reflection Functions :

S11



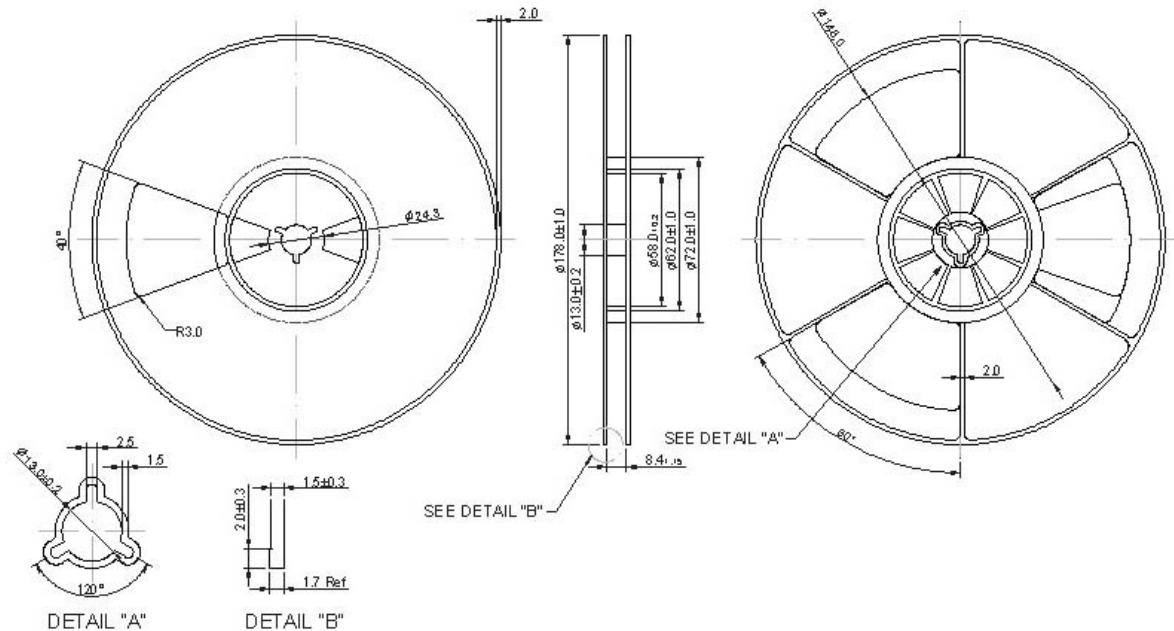
S22



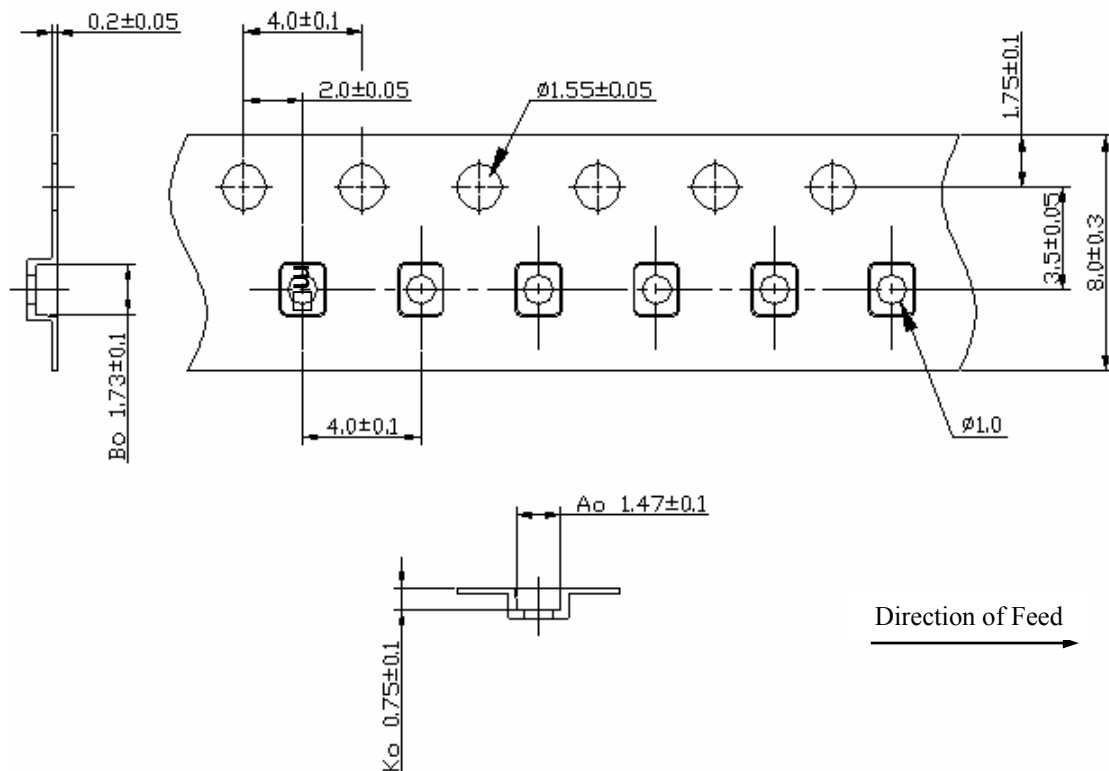
G. PACKING:

1. REEL DIMENSION

(Reel Count : 7"=2000)



2.TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

