



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: ttsales@mail.taisaw.com Web: www.taisaw.com

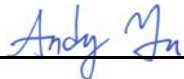
Product Specifications Approval Sheet

Product Name: SAW Filter 1955MHz (BW 30MHz) SMD 3.0x3.0 mm

TST Parts No.: TA1755A

Customer Parts No.: _____

Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Andy Yu 

Approval by: _____ Bob Chau 

Date: _____ 2014/05/13

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 1955MHz(BW 30MHz) SMD 3.0x3.0 mm

MODEL NO.:TA1755A

REV. NO.:1.0

A. MAXIMUM RATING:

1. Input Power Level: 15 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

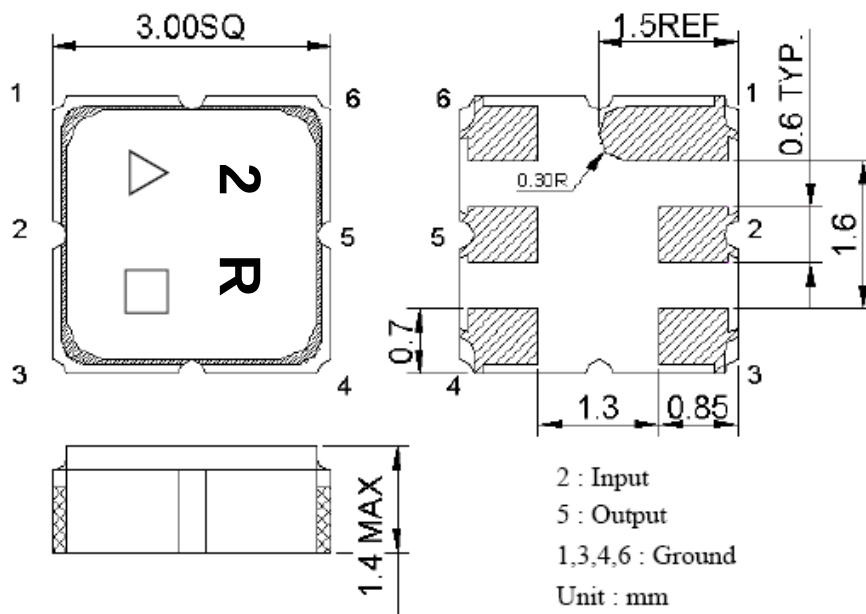
RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center Frequency Fc	MHz	-	1955	-	-
Max. Insertion Loss (1940 ~ 1970 MHz) IL	dB	-	1.7	4.0	-
Amplitude Ripple (1940 ~ 1970 MHz)	dB	-	1.0	3.0	-
VSWR (1940 ~ 1970 MHz)			1.6	2.4	
Source Impedance (single ended)	Ω	-	50	-	-
Load Impedance (single ended)	Ω	-	50	-	-
Attenuation					
1805 ~ 1880 MHz	dB	20	34	-	-
2100 ~ 2170 MHz	dB	20	50	-	-
Package size	mm	SMD 3.0x3.0			

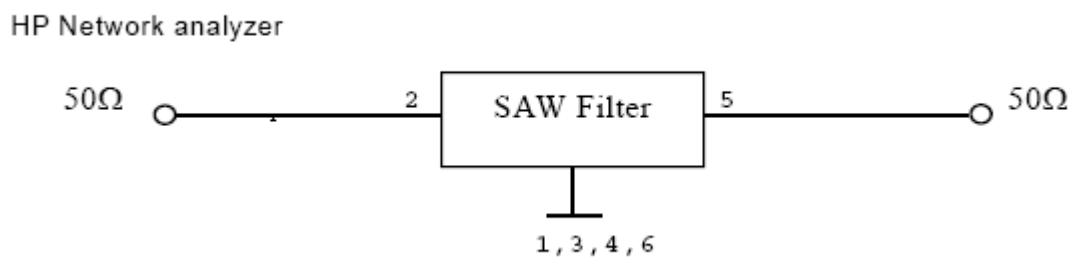
C.OUTLINE DRAWING:



△ : Year Code (2009->9, 2010->0,..., 2018->8)

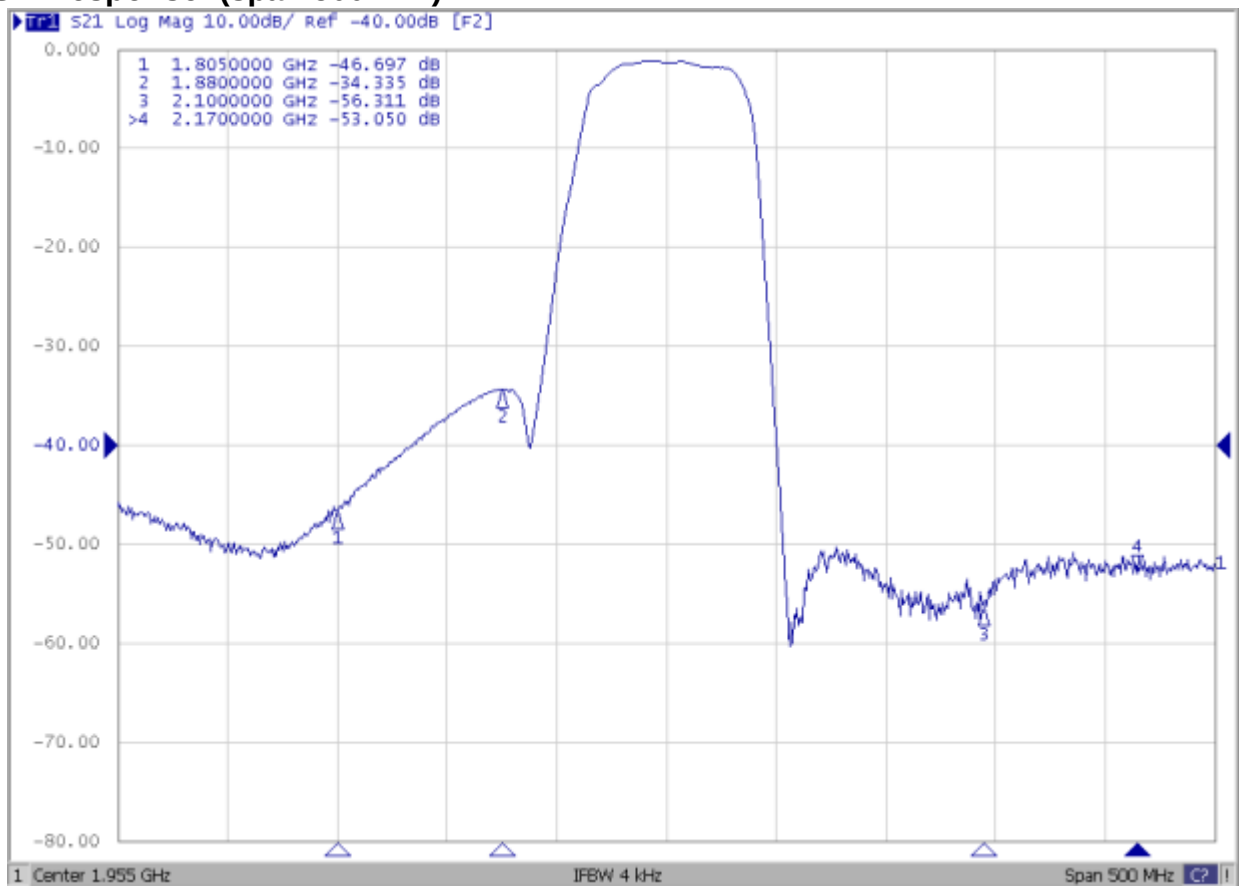
□ : Date Code (Follow the table from planner each year)

D. MEASUREMENT CIRCUIT:

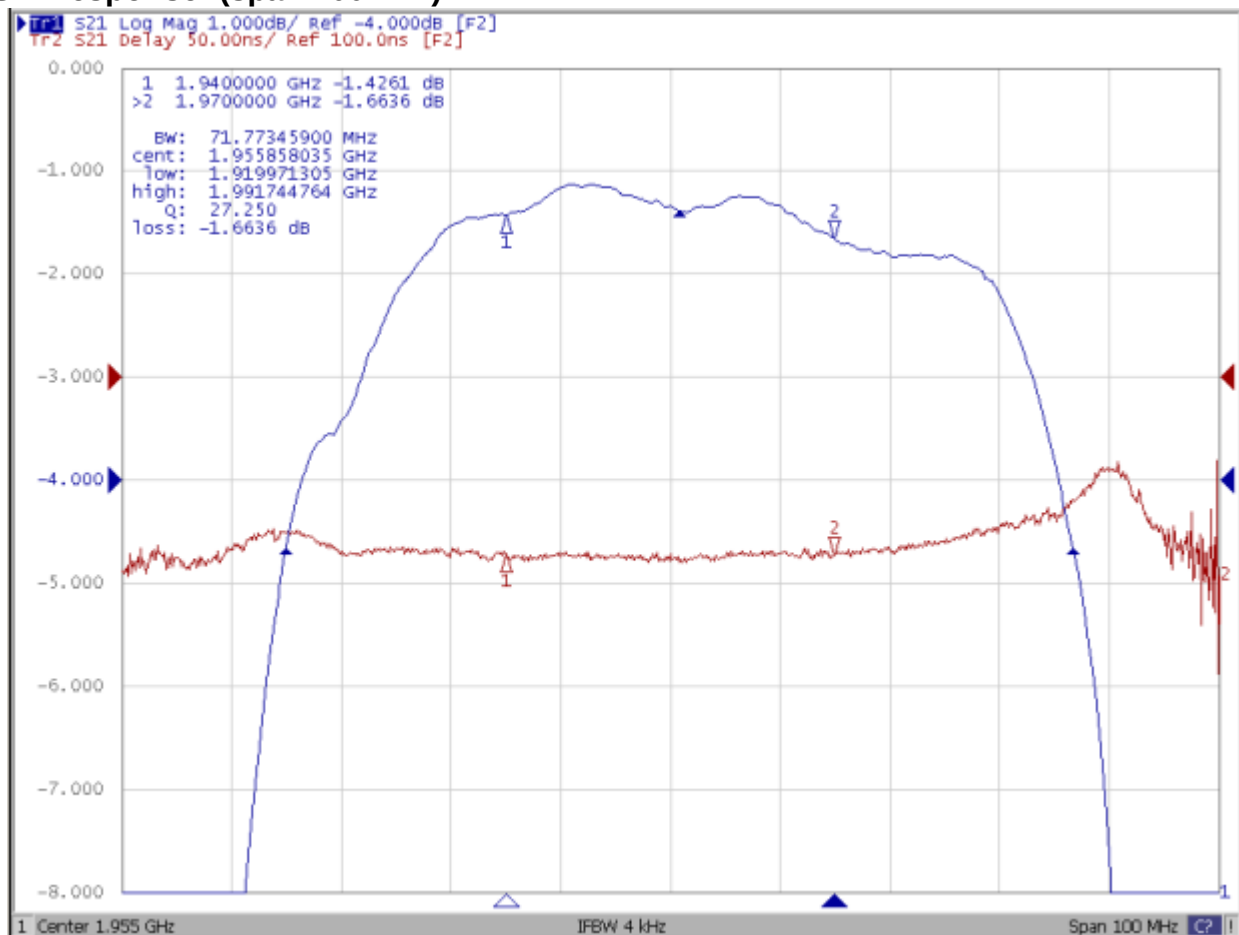


E. Frequency Characteristics :

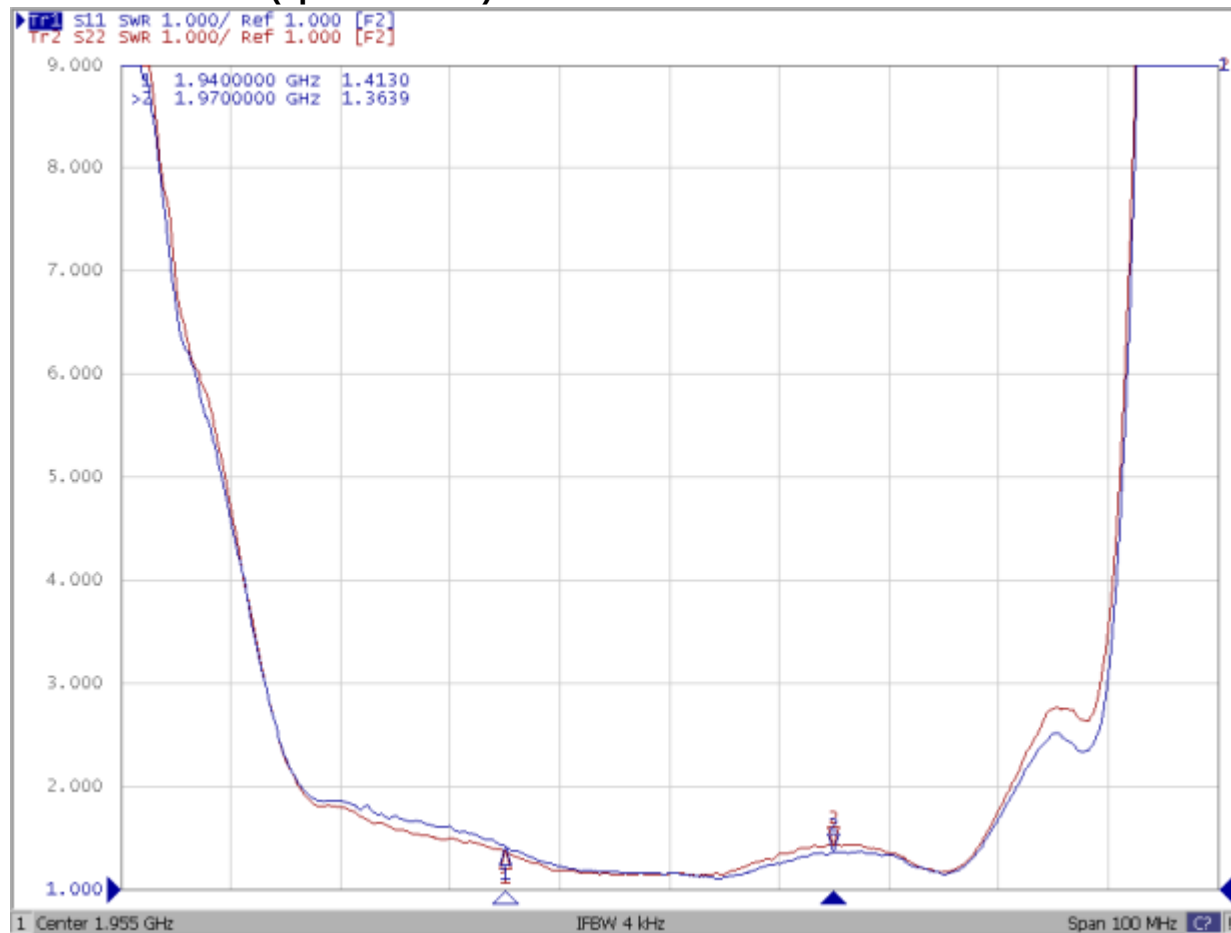
S21 response: (span 500MHz)



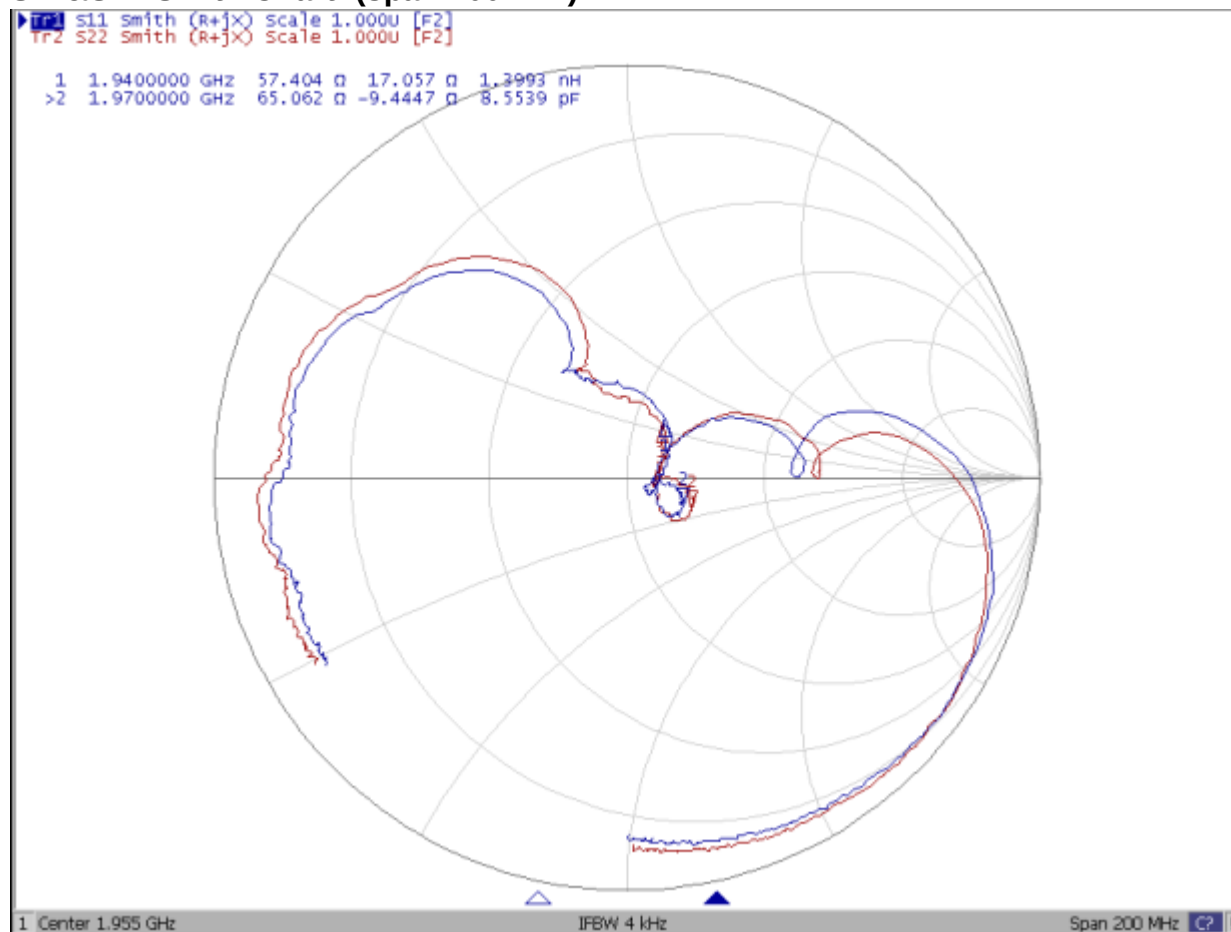
S21 response: (span 100MHz)



S11&S22 VSWR: (span 100MHz)



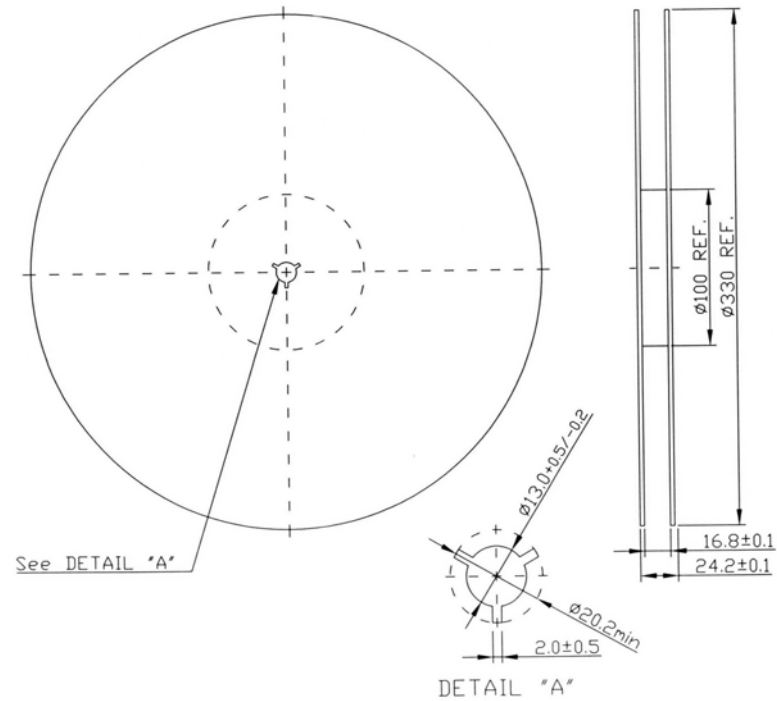
S11&S22 Smith Chart: (span 200MHz)



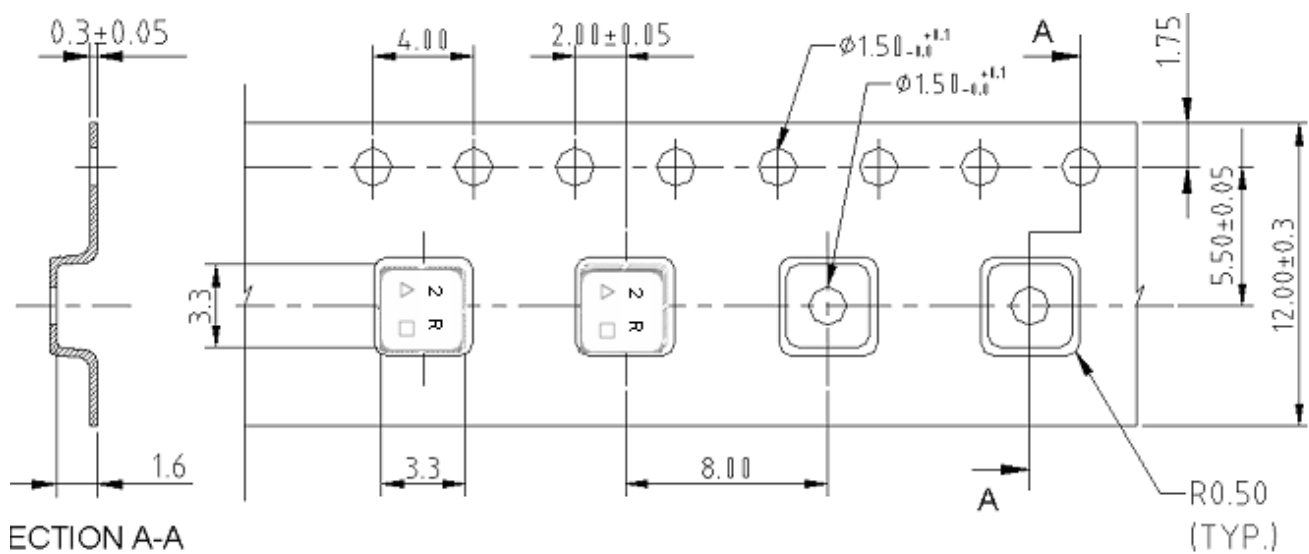
F. PACKING:

1. REEL DIMENSION

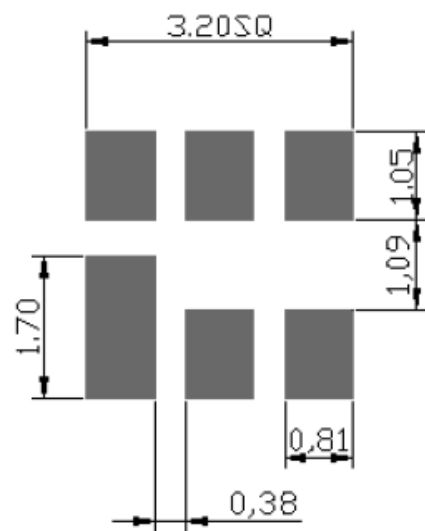
(Please refer to FR-75D10 for packing quantity)



2. TAPE DIMENSION



G. PCB Footprint:



H. RECOMMENDED REFLOW PROFILE :

