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 Name: SAW Filter 1865MHz (BW 30MHz) SMD 3.0x3.0 mm

TST Parts No.: TA1754A

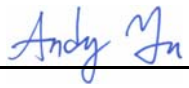
Customer Parts No.:_____

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 1865MHz(BW 30MHz) SMD 3.0x3.0 mm

MODEL NO.:TA1754A 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

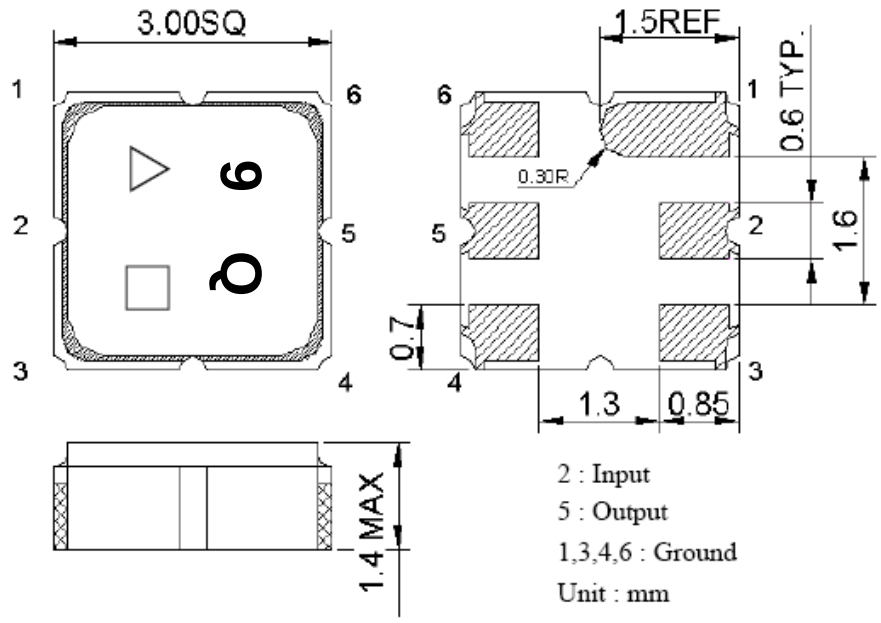
RoHS Compliant
Lead free
Lead-free soldering

Electrostatic **S**ensitive **D**evice (**ESD**)

B. ELECTRICAL CHARACTERISTICS:

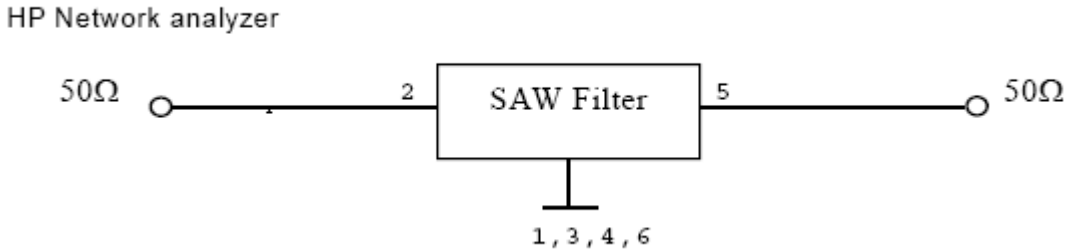
Item		Unit	Min.	Type.	Max.	Note
Center Frequency	**Fc**	MHz	-	1865	-	-
Max. Insertion Loss (1850 ~ 1880 MHz)	**IL**	dB	-	2.1	4.0	-
Amplitude Ripple (1850 ~ 1880 MHz)		dB	-	1.3	3.0	-
VSWR (1850 ~ 1880 MHz)				1.4	2.4	
Source Impedance (single ended)		Ω	-	50	-	-
Load Impedance (single ended)		Ω	-	50	-	-
Attenuation						
1805 ~ 1830 MHz		dB	10	16	-	-
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:

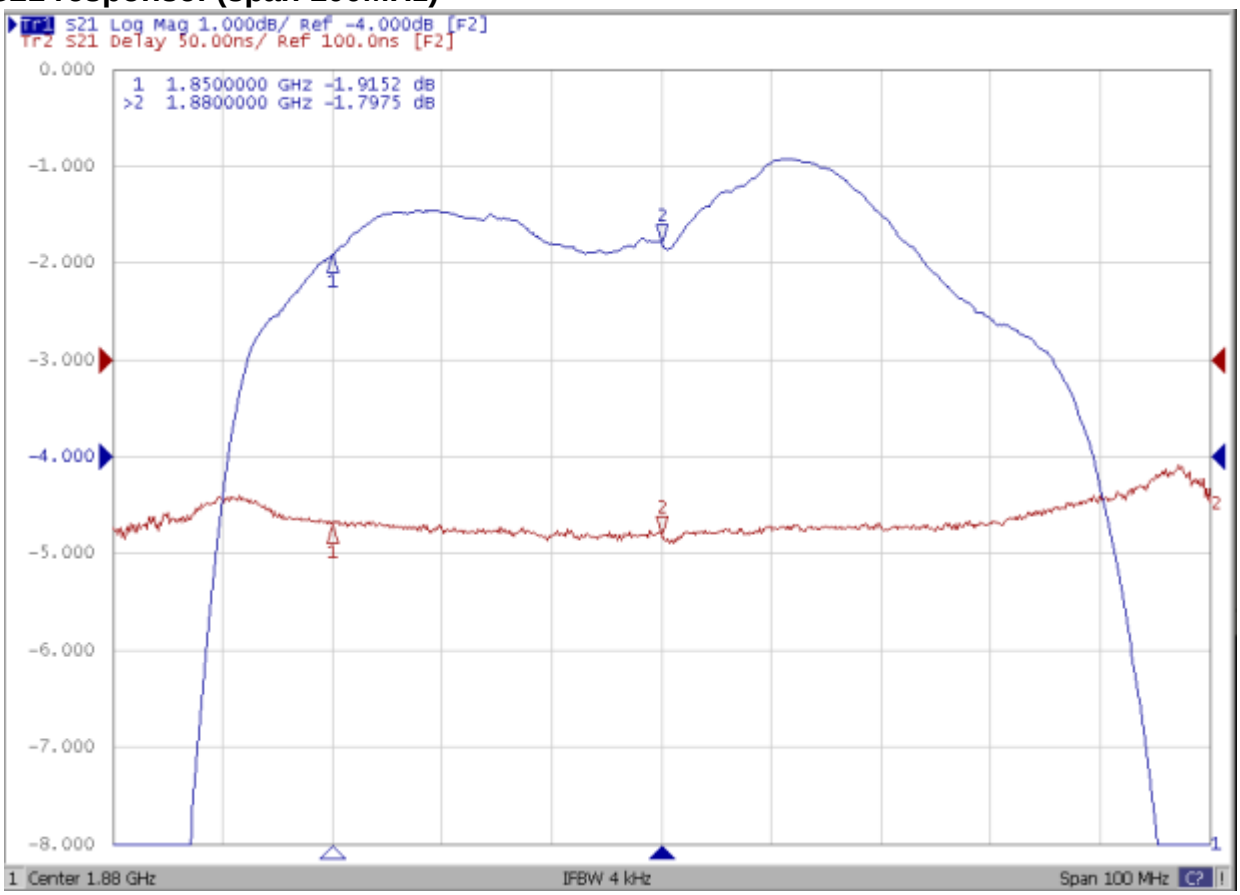


E. Frequency Characteristics :

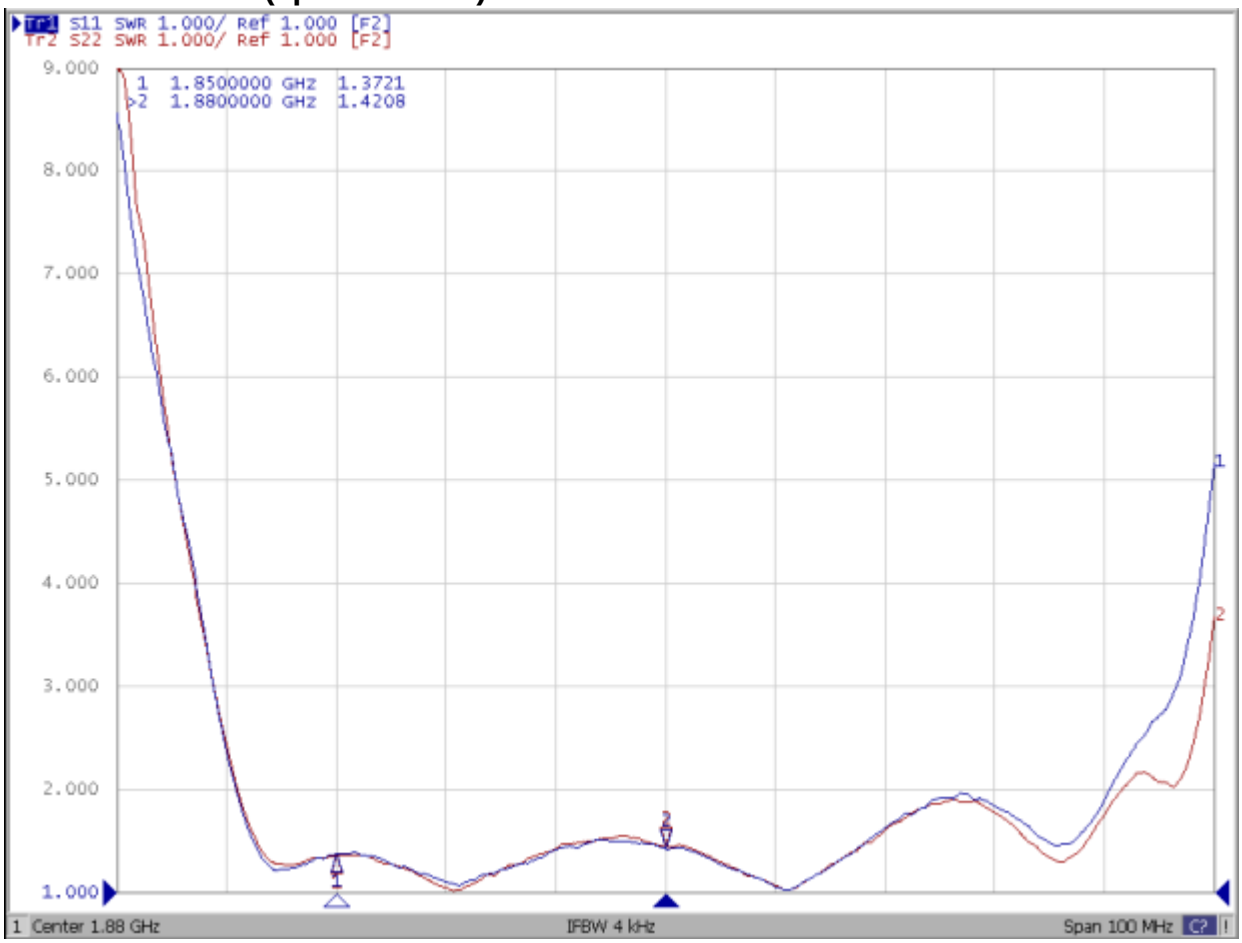
S21 response: (span 500MHz)



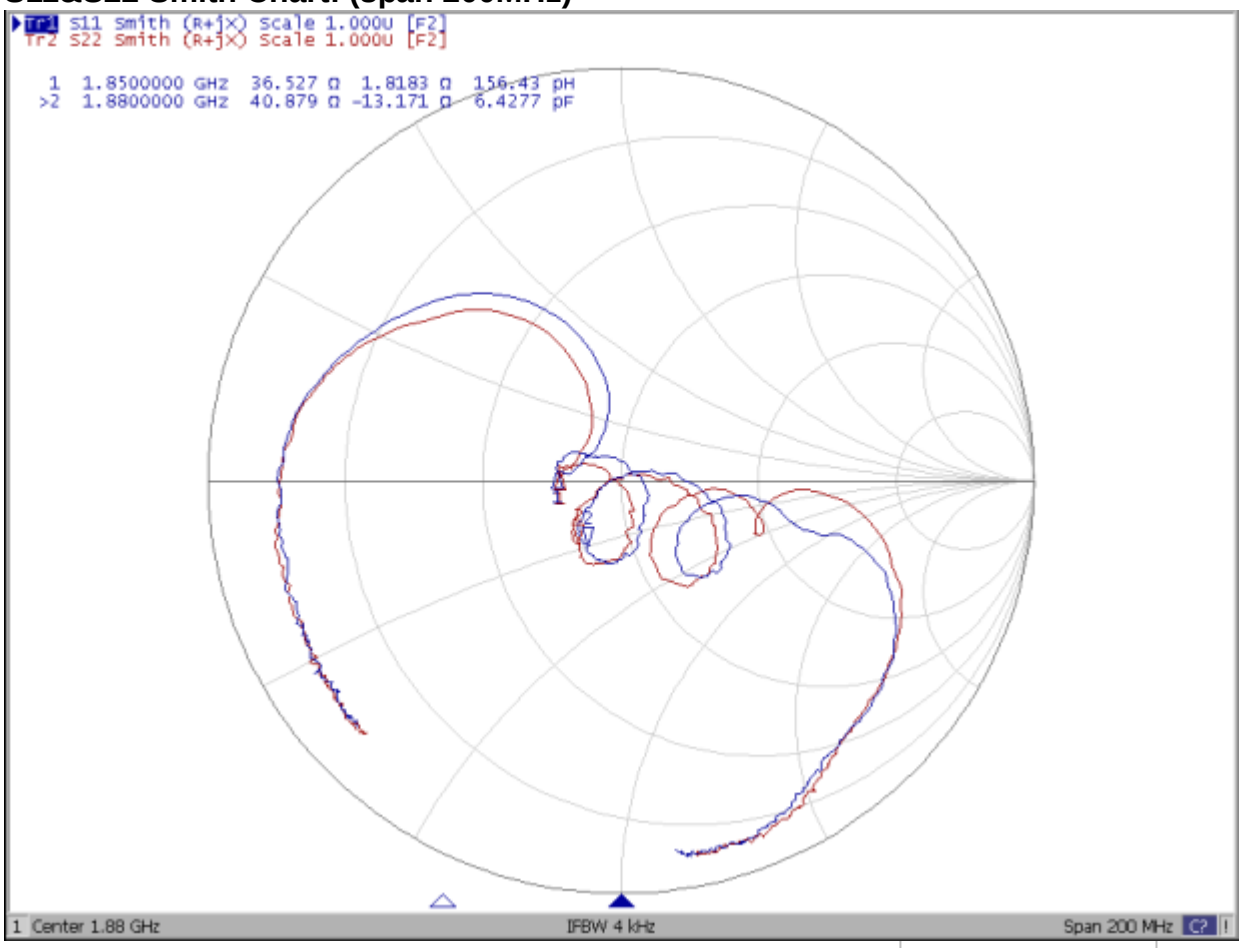
S21 response: (span 100MHz)



S11&S22 VSWR: (span 100MHz)



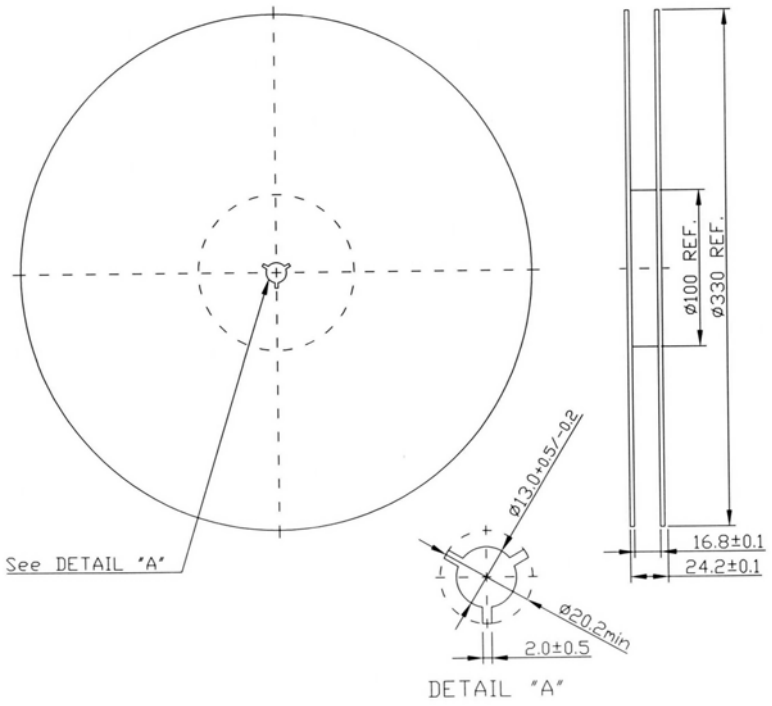
S11&S22 Smith Chart: (span 200MHz)



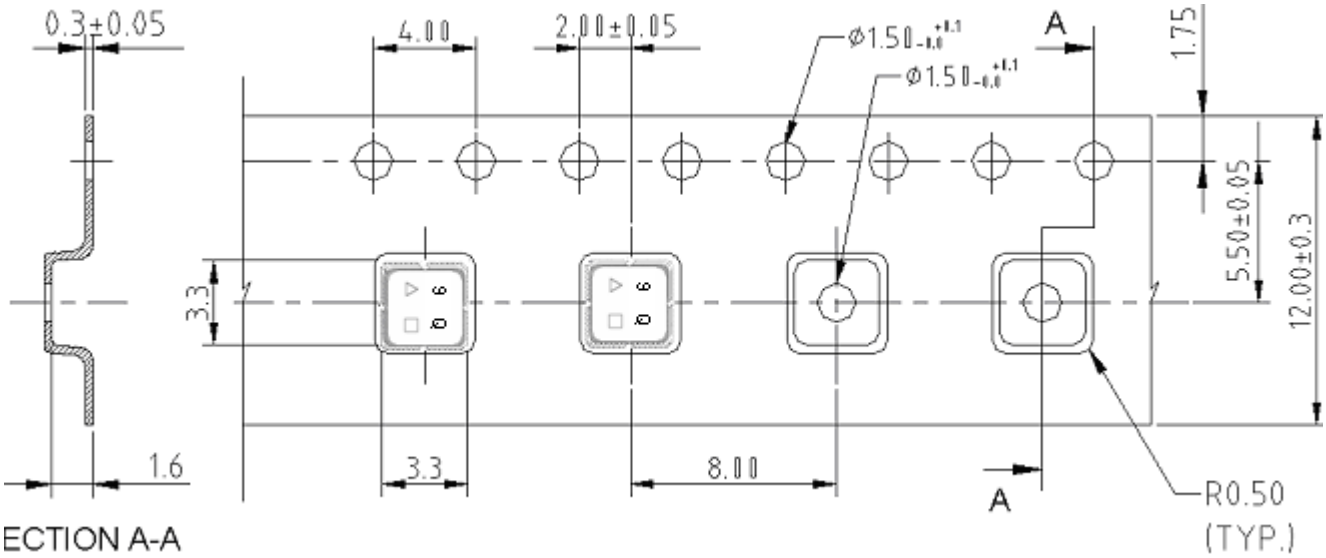
F. PACKING:

1. REEL DIMENSION

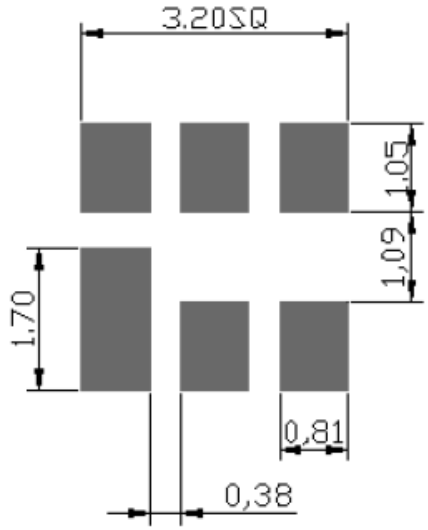
(Please refer to FR-75D10 for packing quantity)



2. TAPE DIMENSION



G. PCB Footprint:



H. RECOMMENDED REFLOW PROFILE :

