



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 1855MHz (BW 50MHz) SMD 3.0x3.0 mm

TST Parts No.: TA1753A

Customer Parts No.: _____

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

Checked by: _____ Andy Yu *Andy Yu*

Approval by: _____ Bob Chau *Bob Chau*

Date: _____ 2014/05/05

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 1855MHz (BW 50MHz) SMD 3.0x3.0 mm

MODEL NO.:TA1753A

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

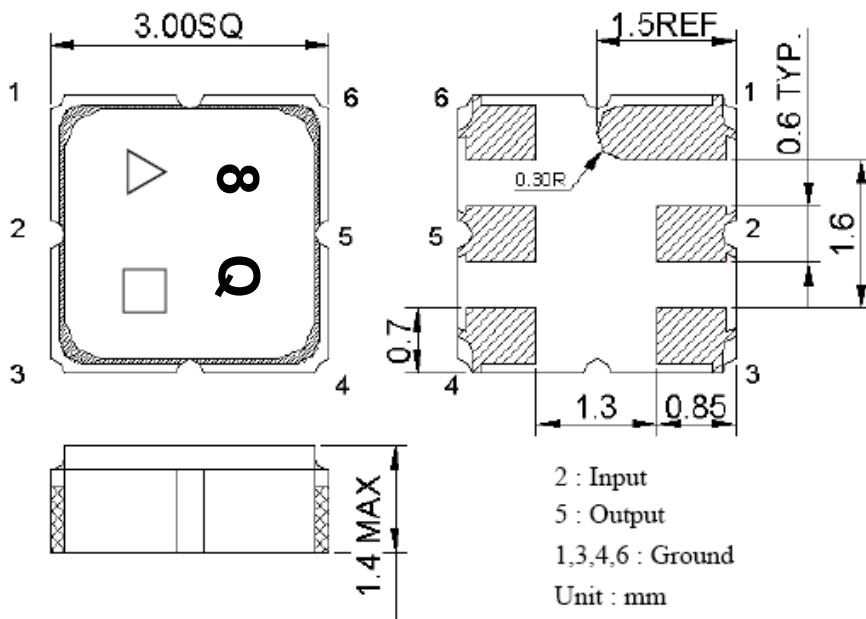
RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center Frequency Fc	MHz	-	1855	-	-
Max. Insertion Loss (1830 ~ 1880 MHz) IL	dB	-	2.2	4.0	-
Amplitude Ripple (1830 ~ 1880 MHz)	dB	-	1.3	3.0	-
VSWR (1830 ~ 1880 MHz)			1.9	2.5	
Source Impedance (single ended)	Ω	-	50	-	-
Load Impedance (single ended)	Ω	-	50	-	-
Attenuation					
1735 ~ 1785 MHz	dB	20	40	-	-
Package size	mm	SMD 3.0x3.0			

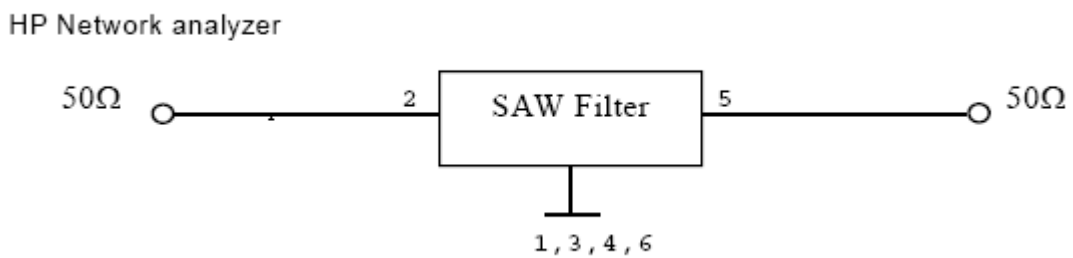
C.OUTLINE DRAWING:



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

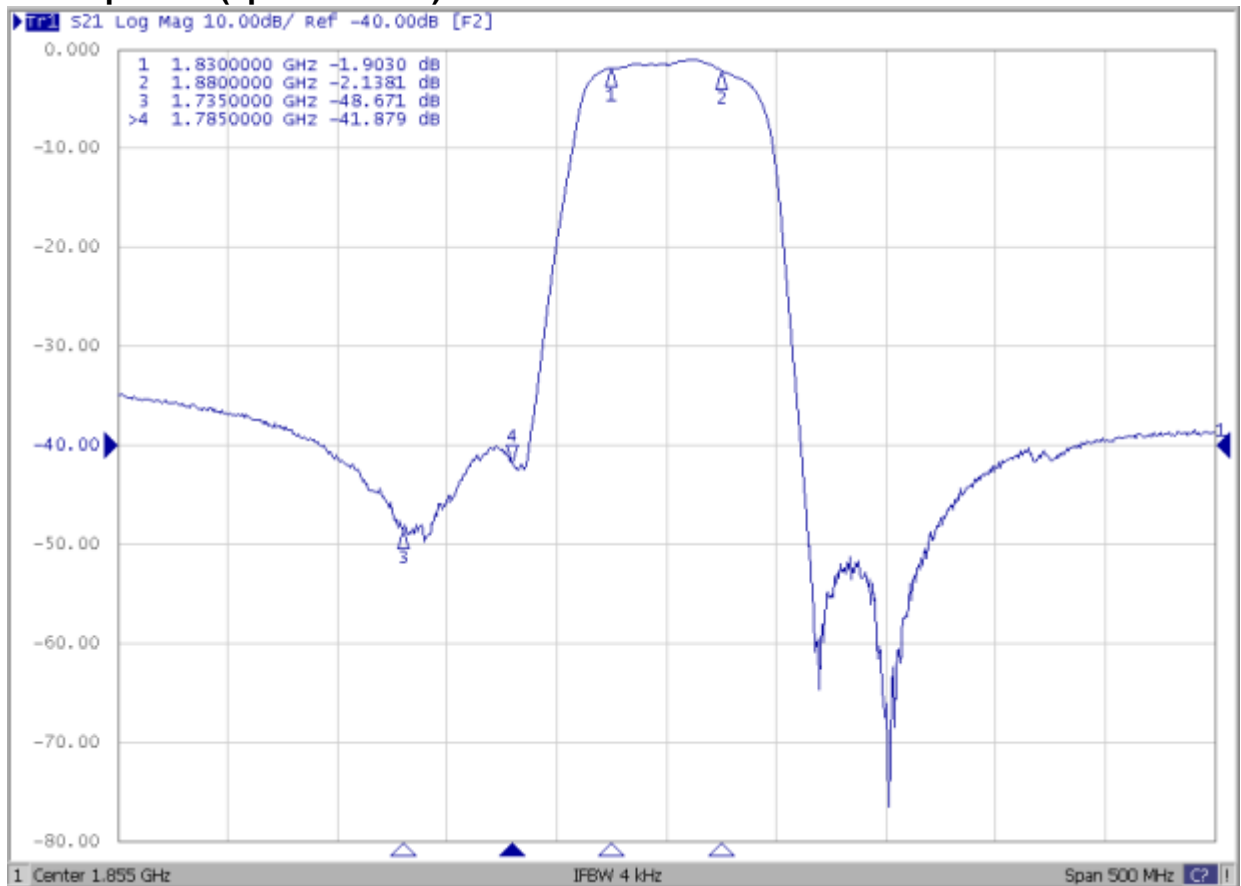
□ : Date Code (Follow the table from planner each year)

D. MEASUREMENT CIRCUIT:

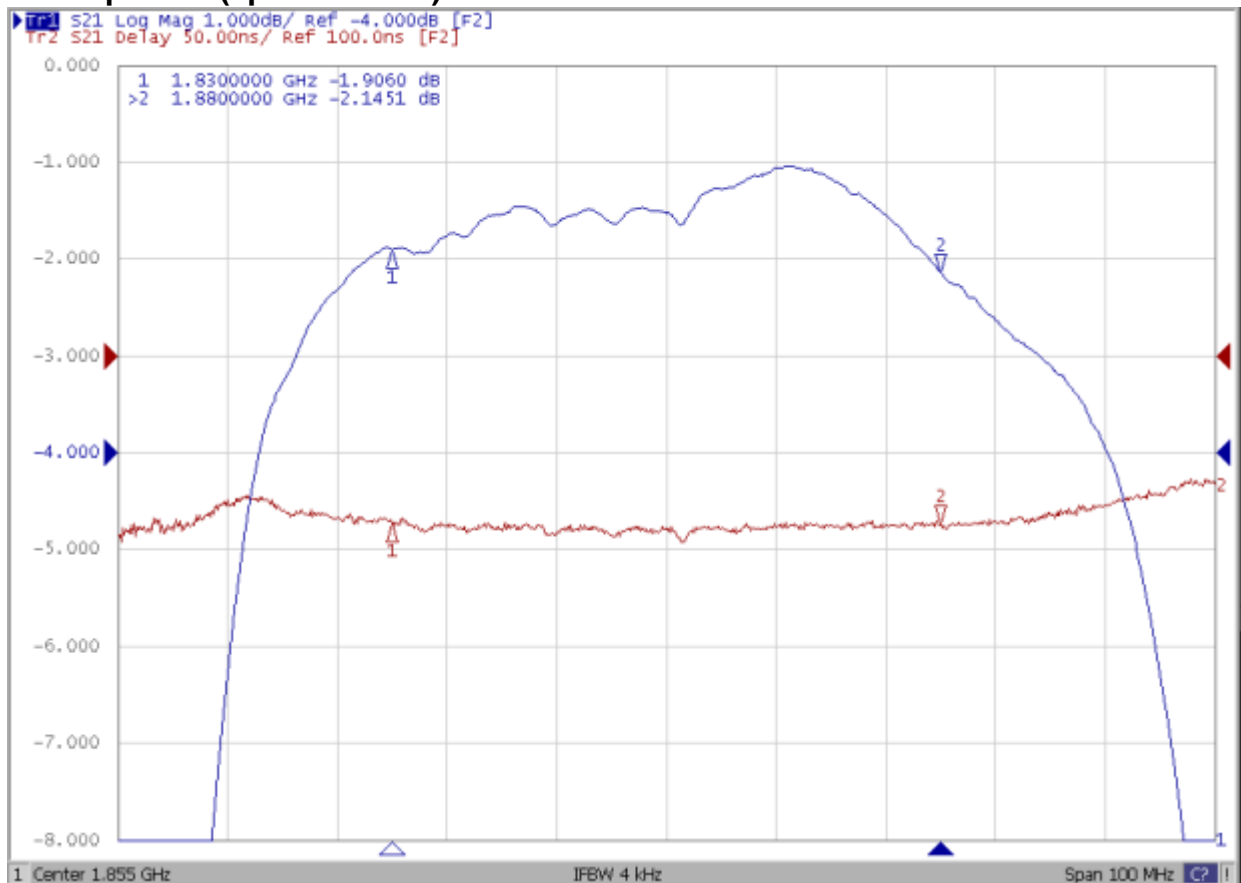


E. Frequency Characteristics :

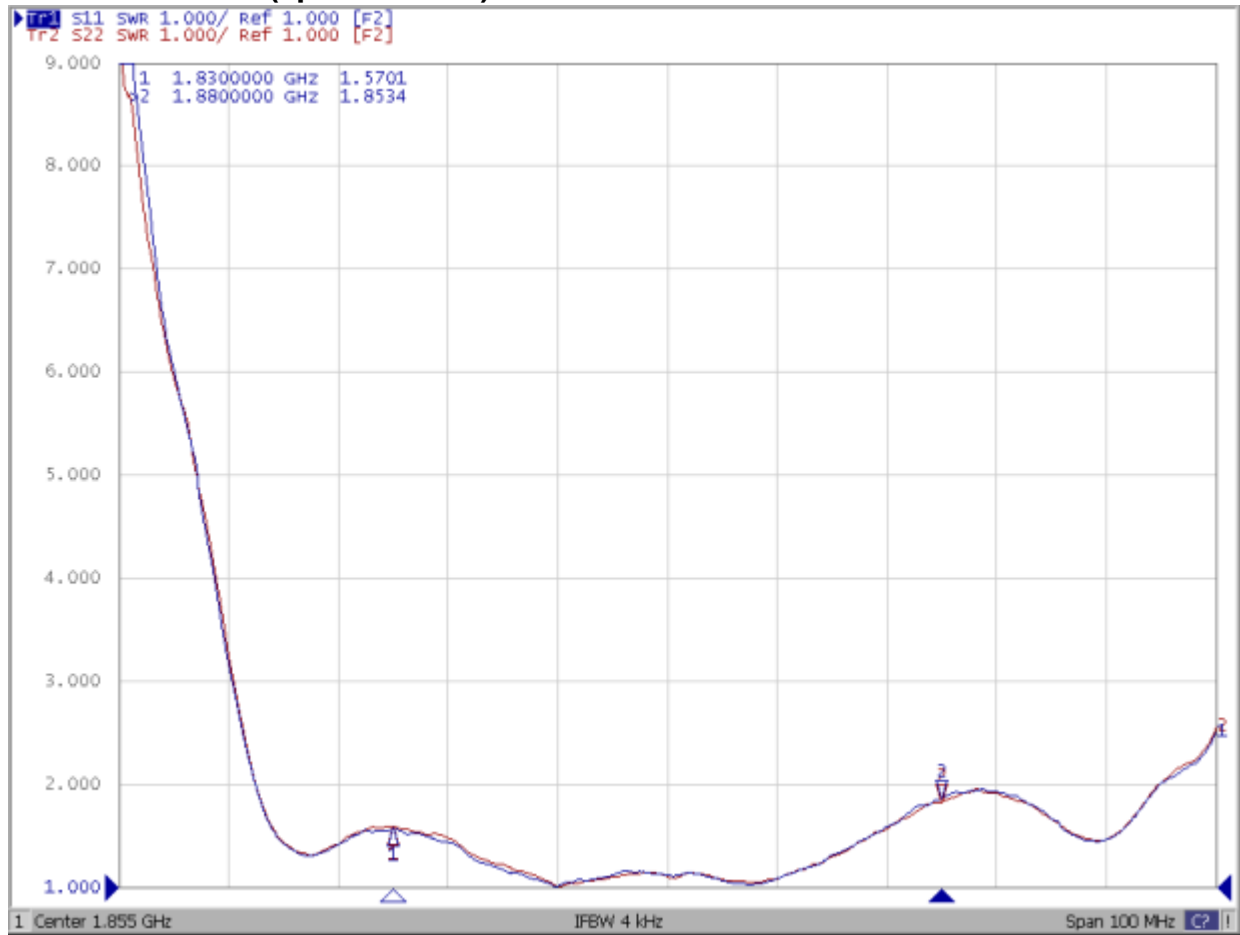
S21 response: (span 500MHz)



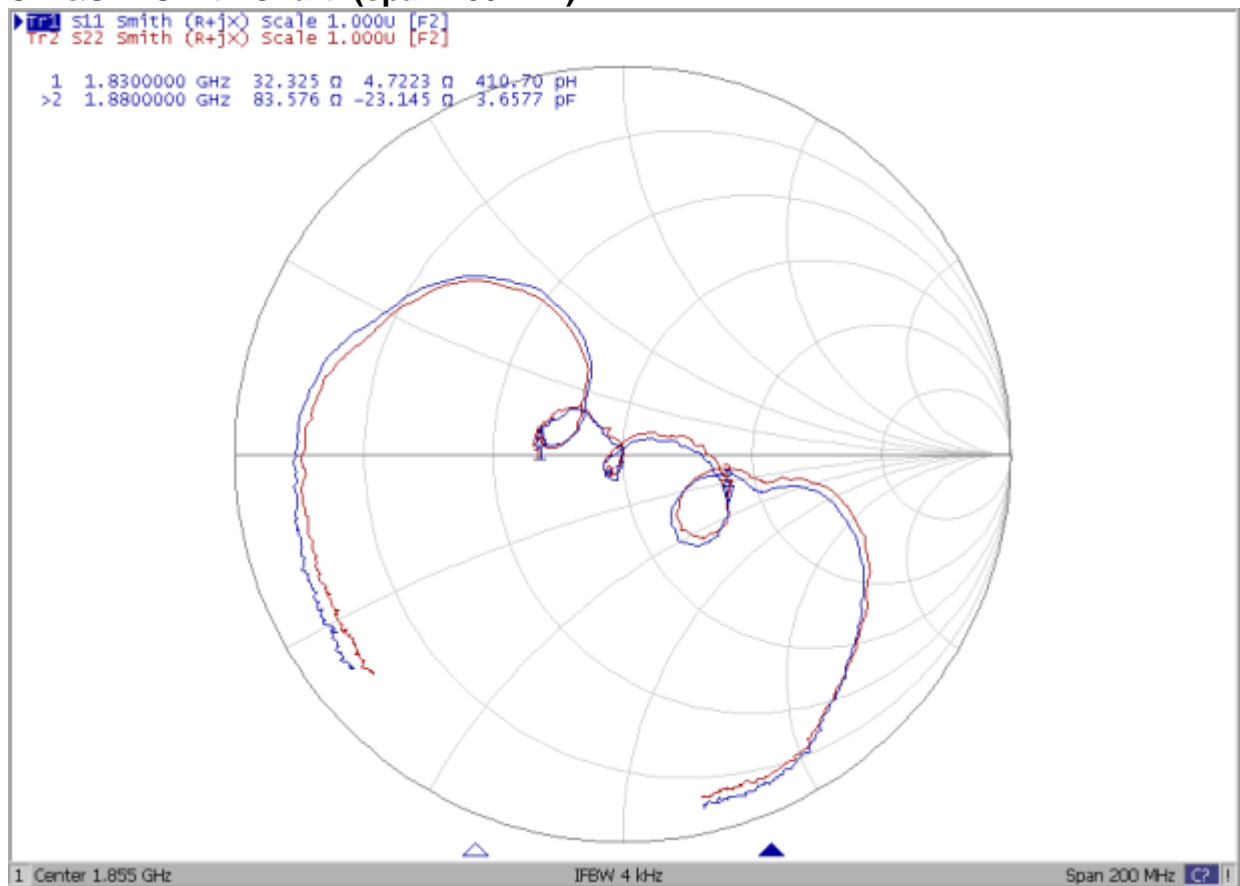
S21 response: (span 100MHz)



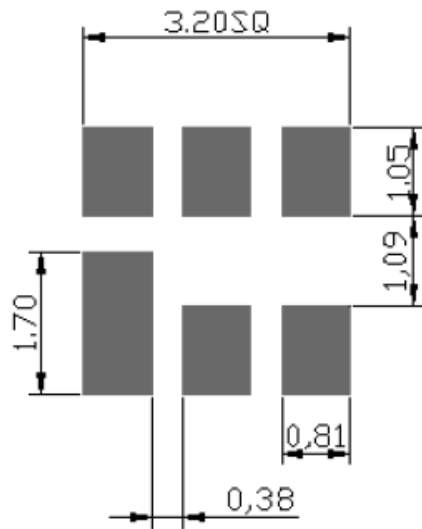
S11&S22 VSWR: (span 100MHz)



S11&S22 Smith Chart: (span 200MHz)



G. PCB Footprint:



H. RECOMMENDED REFLOW PROFILE :

