



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 Specification Approval Sheet

Product Name: SAW Filter 1950MHz SMD 2.5X2.0 mm

TST Parts No.: TA0401B

Customer Parts No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Anne Chen 陳秀宜

Approval by: _____ Francis Chen 18113

Date: _____ 01 / 29 / 2010

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 1950 MHz for Mobile Communication

MODEL NO.: **TA0401B**

REV. NO.:1.0

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 0 V
3. Operating Temperature: -40°C to +75°C
4. Storage Temperature: -40°C to +85°C

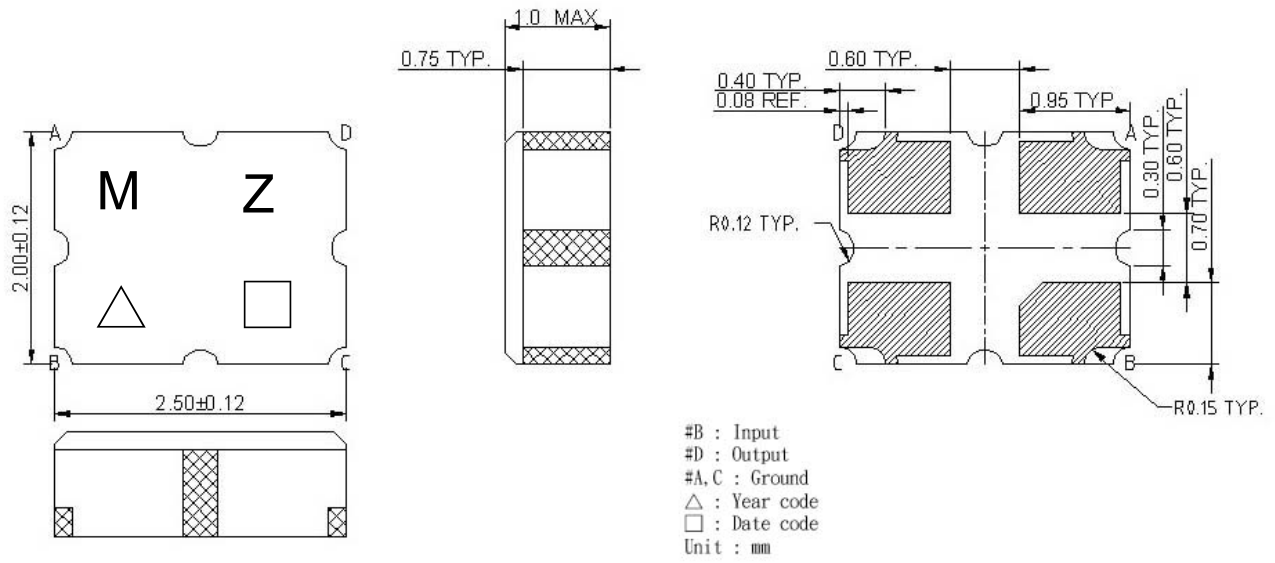
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

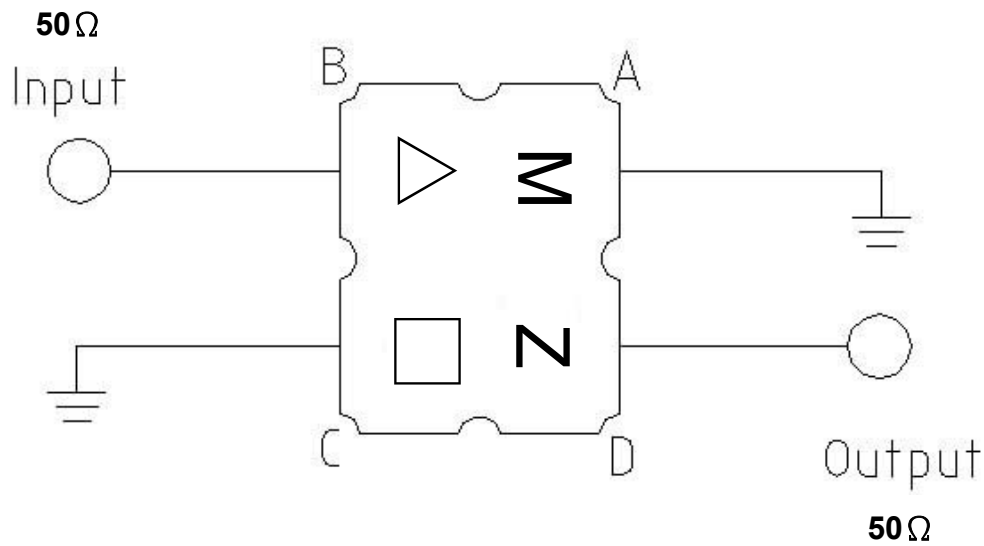
Item			Min.	Typ.	Max.
Center frequency		F_c (dB)	-	1950	-
Insertion loss within 1920 ~1980 MHz		IL (dB)	-	2.4	3.4
Amplitude ripple (p-p) within 1920 ~ 1980 MHz		(dB)	-	1.1	2.0
Attenuation (Reference level from 0 dB)					
1135 ~ 1145	MHz	(dB)	25	28	-
1705 ~ 1715	MHz	(dB)	25	29	-
1805 ~ 1880	MHz	(dB)	25	35	-
2110 ~ 2170	MHz	(dB)	30	34	-
2300 ~ 2360	MHz	(dB)	30	33	-
2490 ~ 2550	MHz	(dB)	30	34.5	-
2680 ~ 2740	MHz	(dB)	30	34	-
3060 ~ 3120	MHz	(dB)	30	44	-
3840 ~ 3960	MHz	(dB)	30	38	-
VSWR within 1920 ~1980 MHz			-	1.6	2.6
Source impedance		Z_s (Ω)	-	50	-
Load impedance		Z_L (Ω)	-	50	-

Note1. No matching network required for operation at 50 Ω

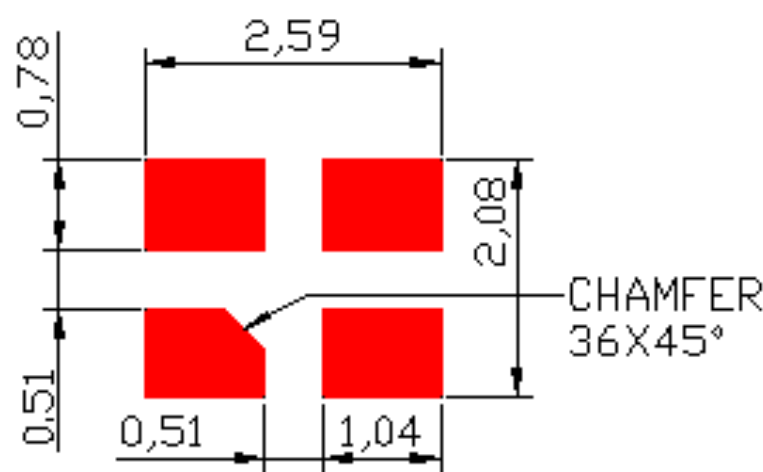
C.OUTLINE DRAWING:



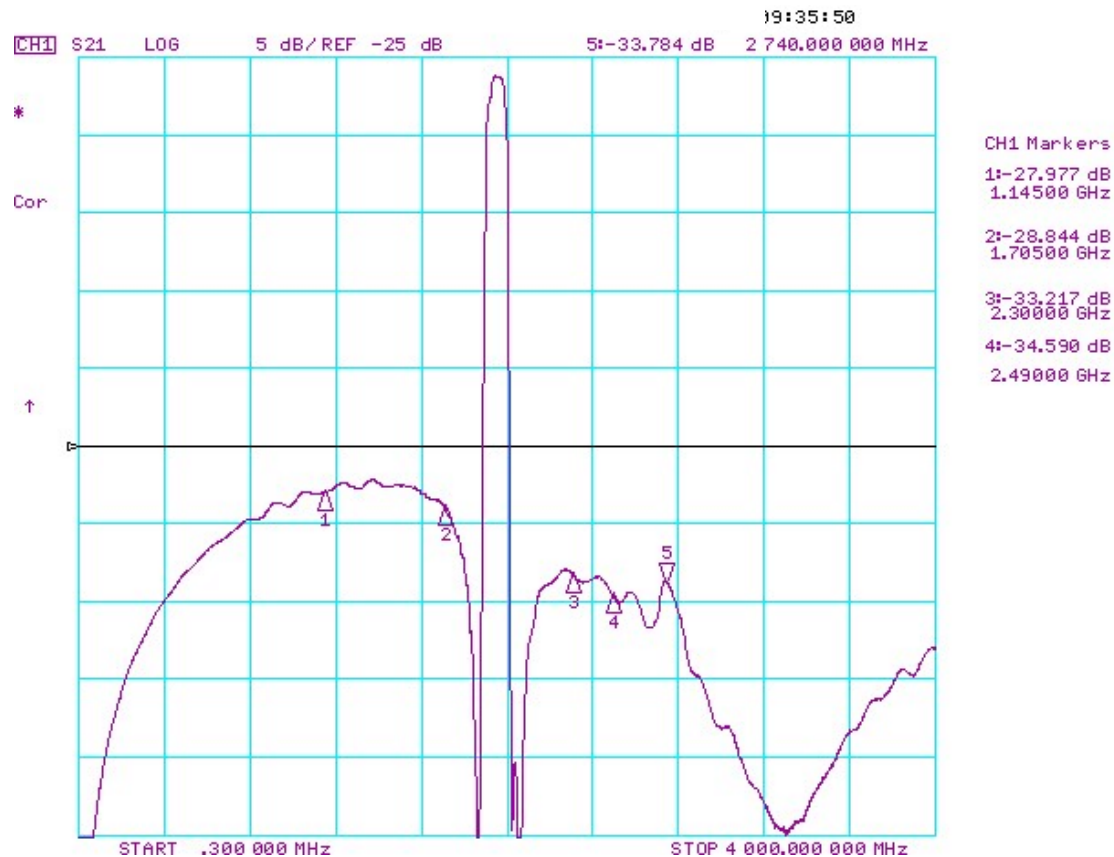
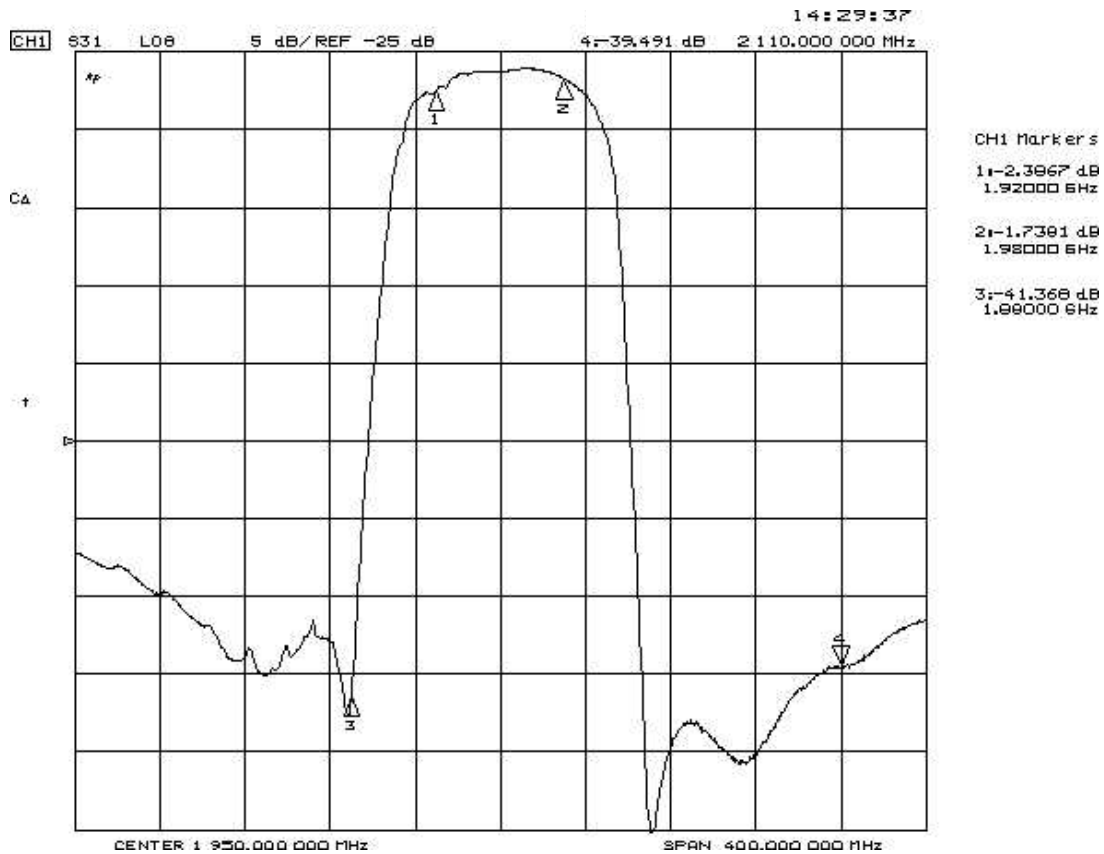
D. MEASUREMENT CIRCUIT:



E. PCB Footprint:

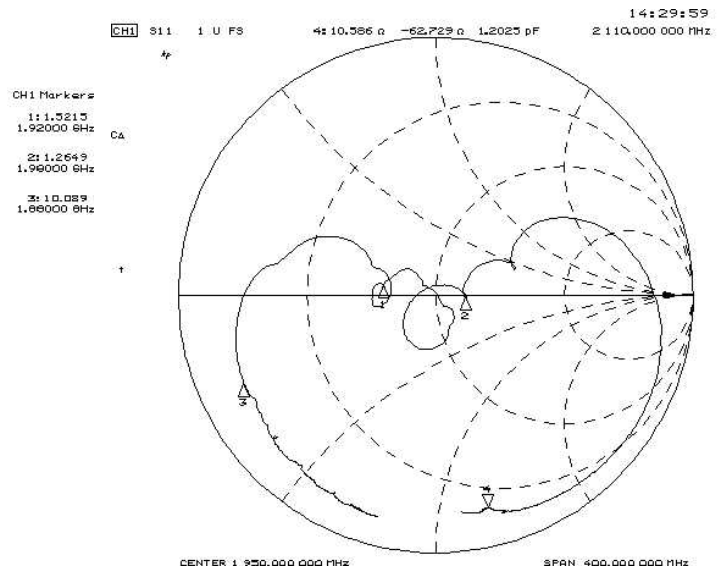
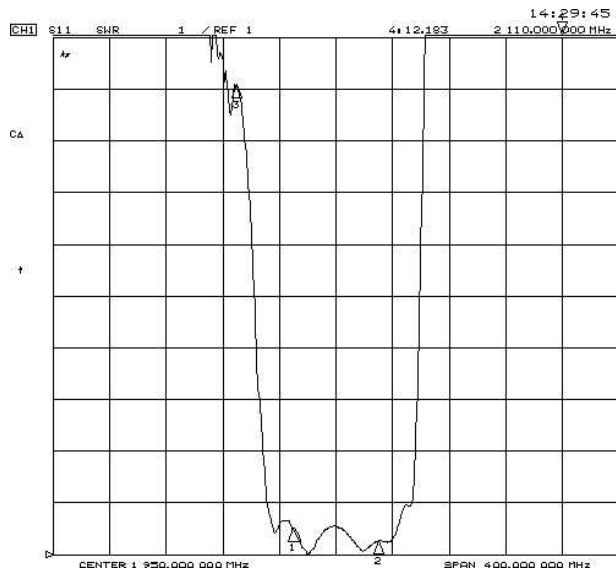


F. Frequency Characteristics : Transfer function

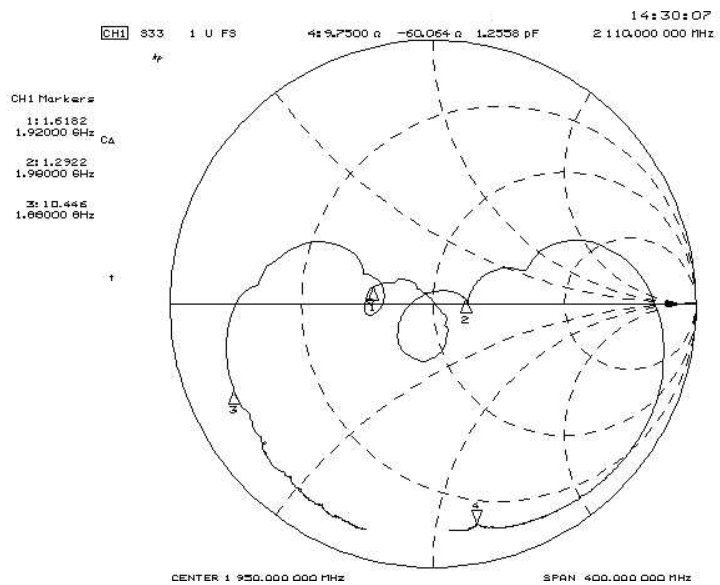
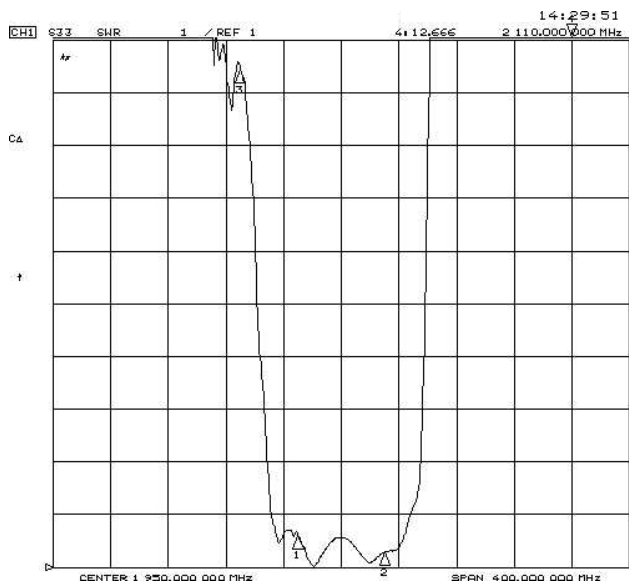


Reflections Functions :

S11 VSWR



S22 VSWR

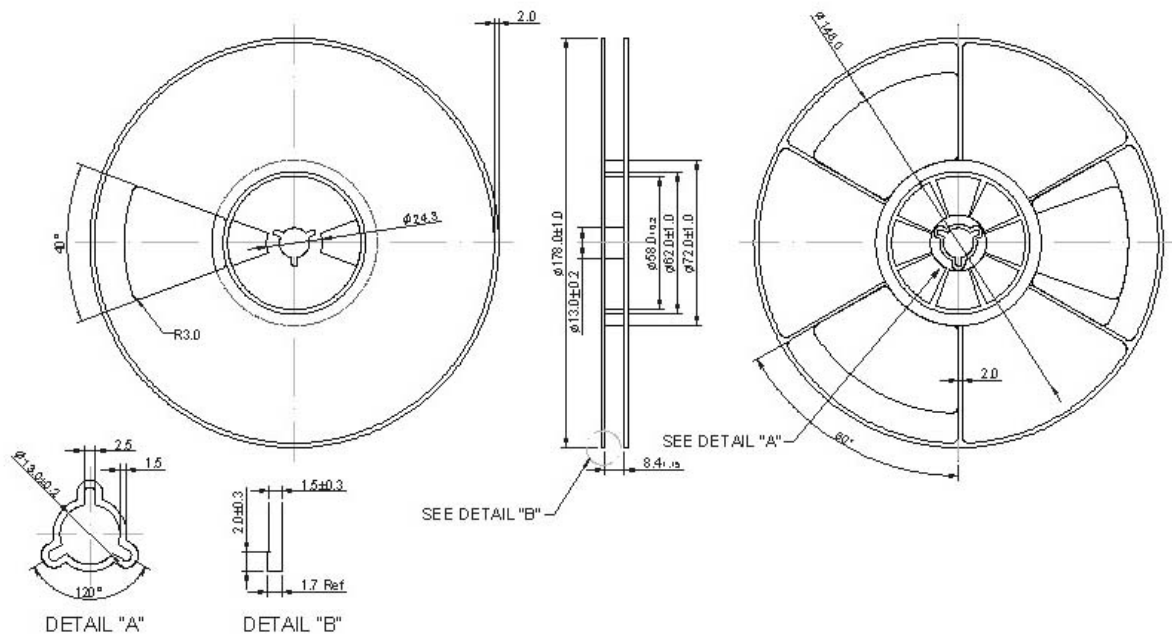


G. PACKING:

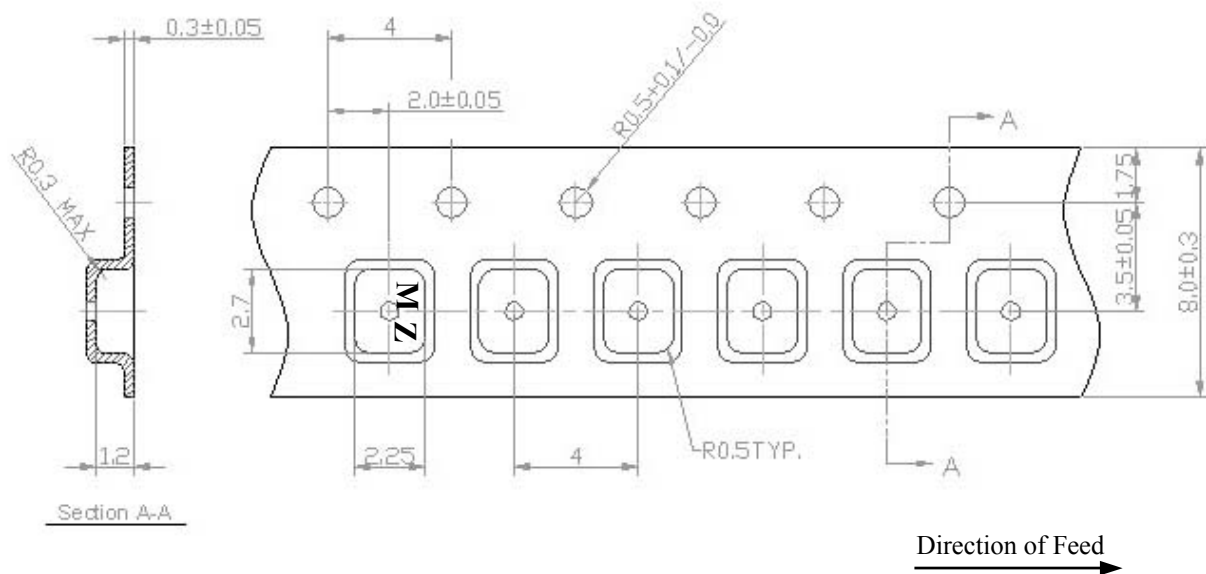
1. REEL DIMENSION

G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

