

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 1542.5 MHz SMD 2.5X2.0 mm (BW=35MHz)

TST Part No.: TA0425B

Customer Part No.: _____

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

Checked by: _____ Bob Chau 

Approved by: _____ Francis Chen 

Date: _____ 3, 11, 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 1542.5 MHz

MODEL NO.:TA0425B

REV. NO.:1

A1. MAXIMUM RATING:

1. Input Power Level: 5 dBm
2. DC Voltage : 5V
3. Operating Temperature: +25°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

B1. ELECTRICAL CHARACTERISTICS:

Singled to Balanced operation

Terminating source impedance : $Z_s = 50 \Omega$

Terminating load impedance : $Z_L = 150 \Omega // 33 \text{ nH}$

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	1542.5	-	-
Insertion Loss (1525~1560 MHz) IL	dB	-	3.1	4	-
Amplitude Ripple (1525~1560 MHz)	dB	-	0.4	2	-
Attenuation (Reference level from 0 dB)					
D.C ~ 1480 MHz	dB	21	44	-	-
1630 ~ 1660 MHz	dB	26	34	-	-
1660 ~ 2050 MHz	dB	30	35	-	-
2050 ~ 3500 MHz	dB	35	50	-	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-	-

A2. MAXIMUM RATING:

3. Input Power Level: 5 dBm
4. DC Voltage : 5V
3. Operating Temperature: -40°C to +75°C
5. Storage Temperature: -40°C to +85°C

B2. ELECTRICAL CHARACTERISTICS:

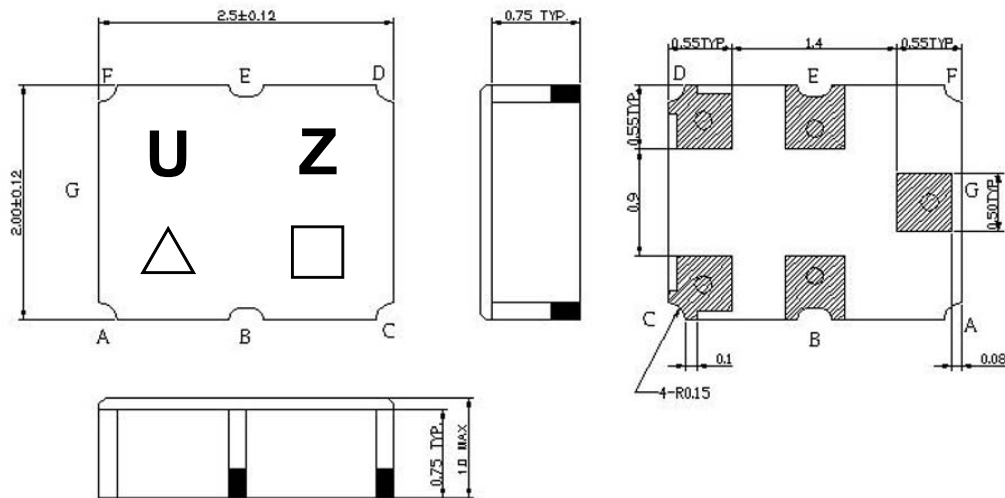
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1660 ~ 2050 MHz	dB	30	35	-	-
2050 ~ 3500 MHz	dB	35	50	-	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-	-

C.OUTLINE DRAWING:



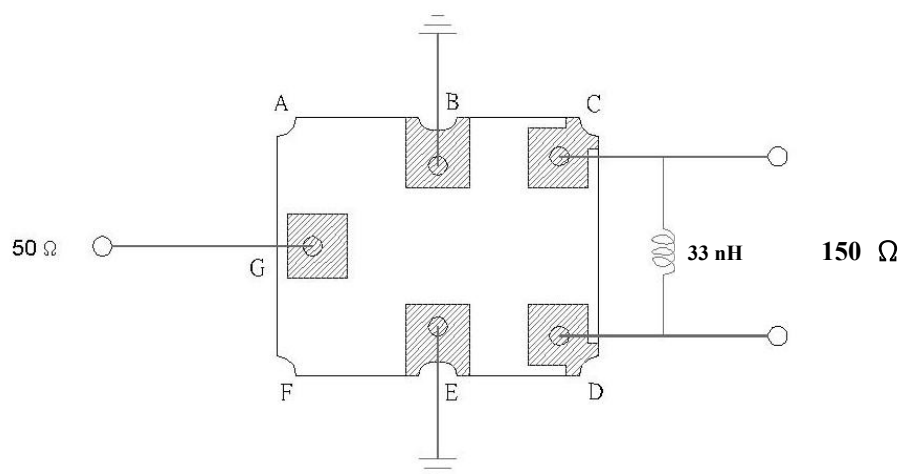
Pin configuration

- G : Unbalance input
- C,D : Balance output
- B,E : Ground

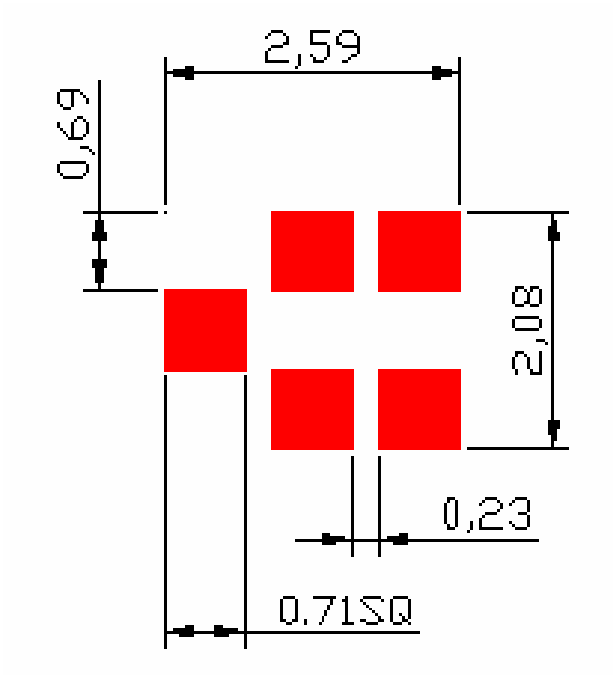
△ : Year Code (2009->9, 2010->0,..., 2018->8)

□ : Date Code (W01->A,W02->B,...W27->a,...,W52->z)

D. MEASUREMENT CIRCUIT:

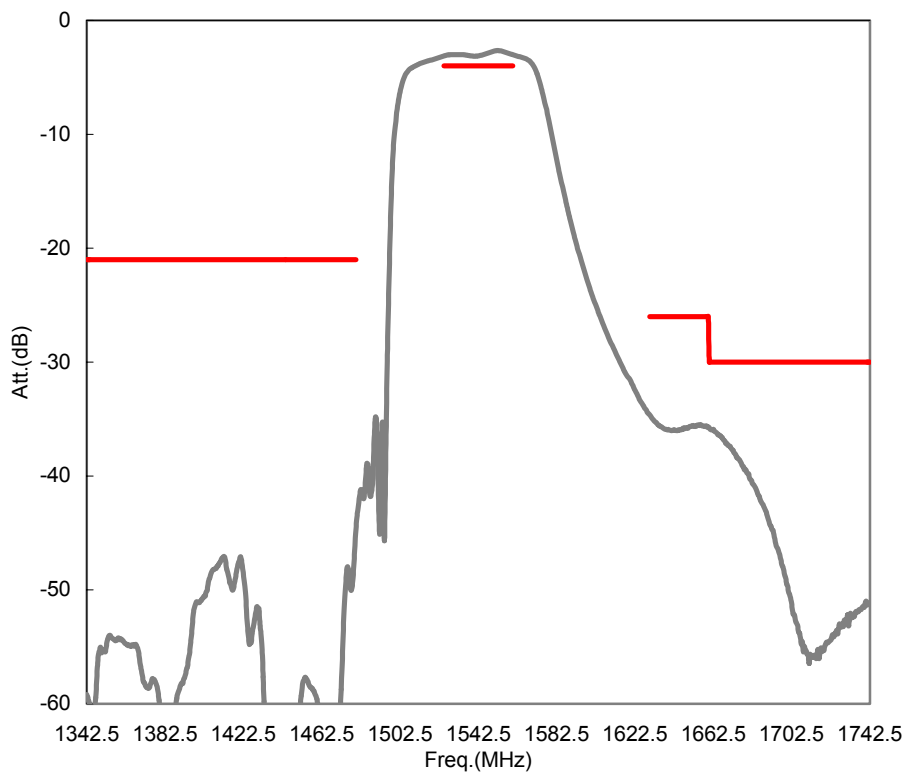
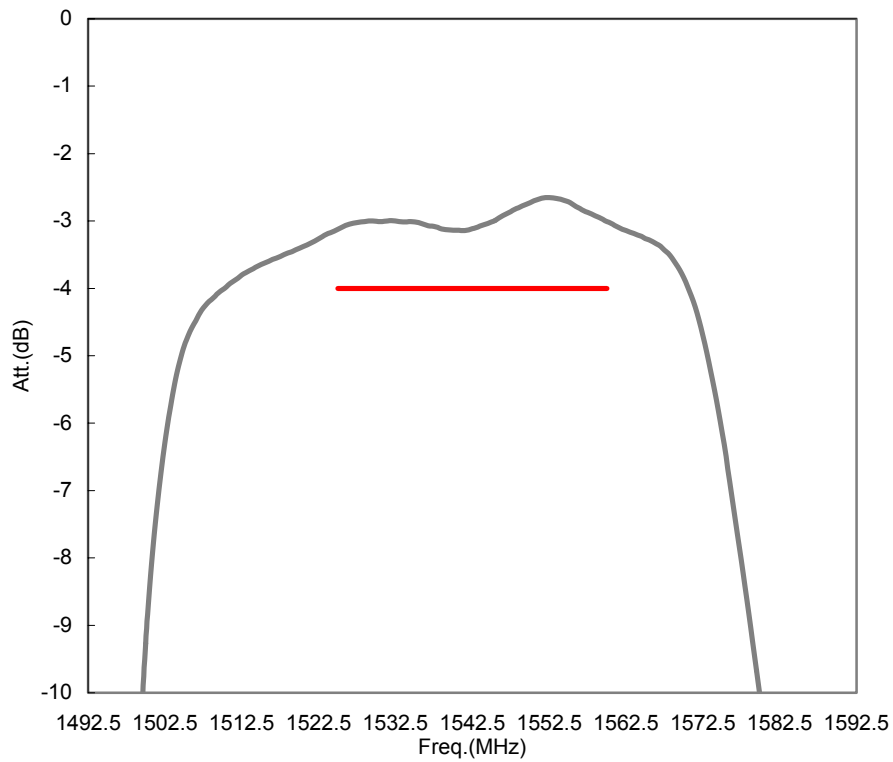


E. PCB Footprint:

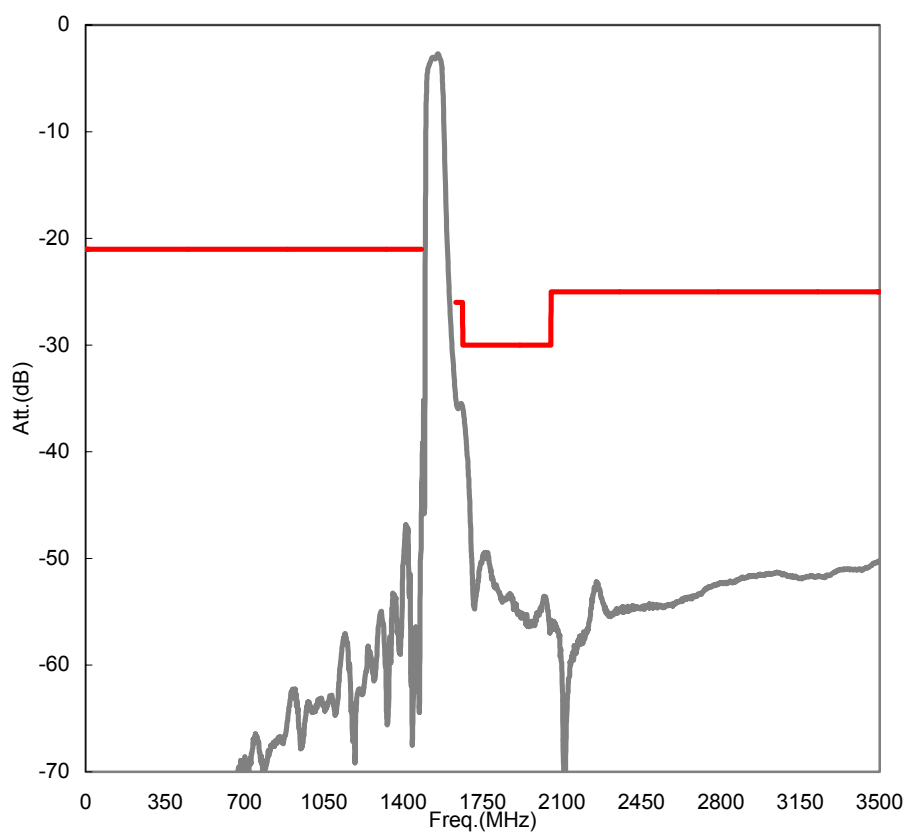


F. Frequency Characteristics :

Transfer function (25 °C)

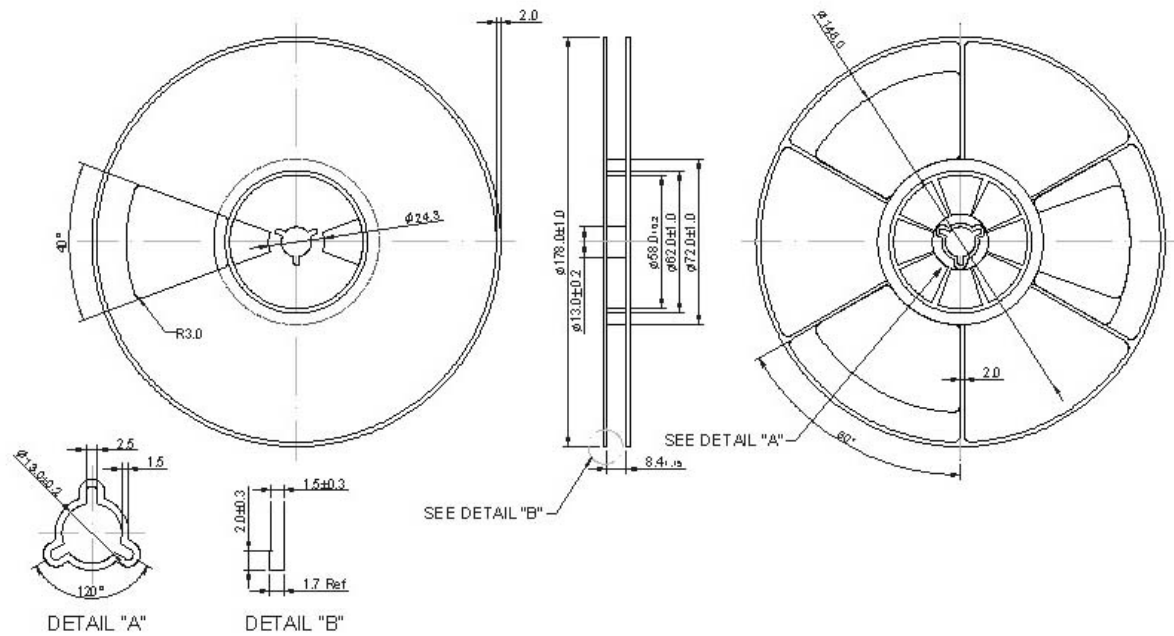


wideband

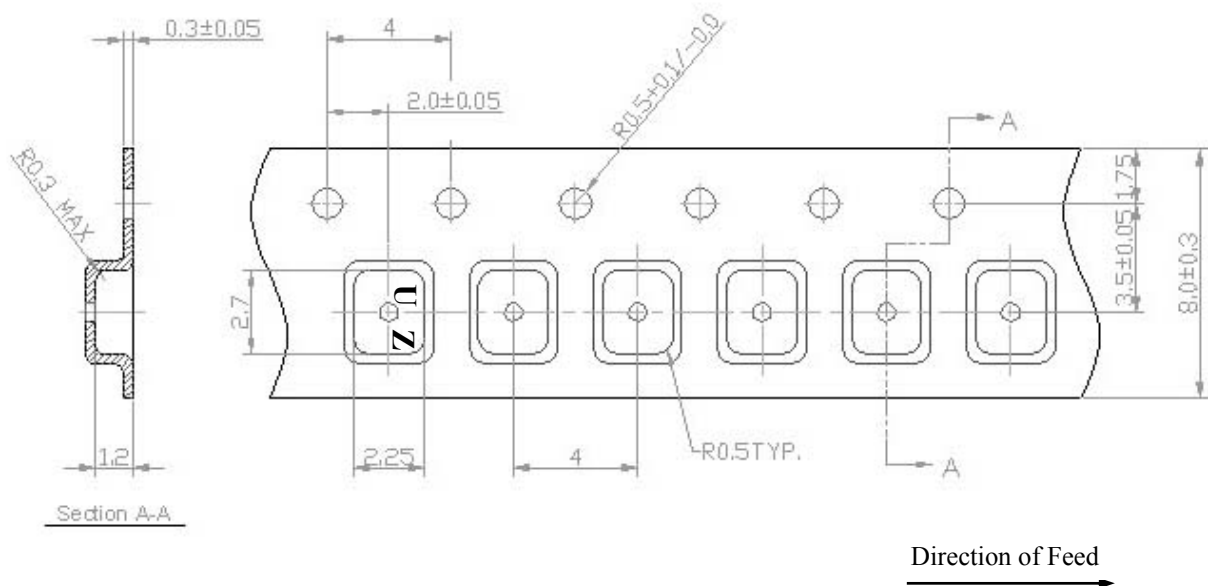


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



Direction of Feed

H. RECOMMENDED REFLOW PROFILE :

