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 Specification Approval Sheet

Product Name: SAW Filter 1575 MHz SMD 3.0X3.0 mm(BW=20MHz)

TST Parts No.: TA2020A

Customer Parts No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Anne Chen 陳秀宜 _____

Approval by:_____ Bob Chau _____

Date:_____ 05/27/2016 _____

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 1575 MHz

MODEL NO.:TA2020A REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: +10 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**)

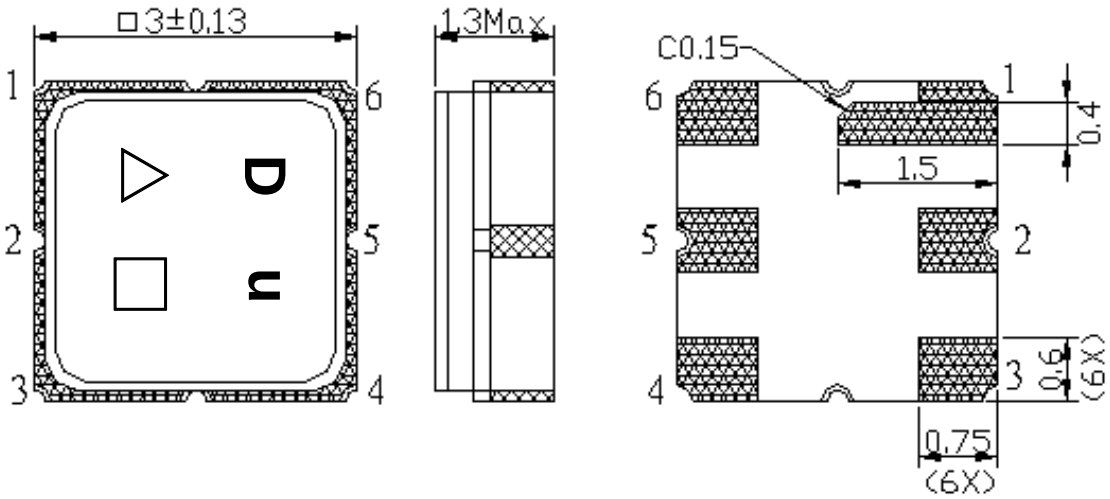
B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance (Unbalanced) : Zs = 50 Ω

Terminating load impedance (Balanced) : Z_L = 50 Ω

Item	Unit	Min.	Type.	Max.	Note
Center Frequency **Fc**	MHz	-	1575	-	-
Insertion Loss (1565~1585 MHz) **IL**	dB	-	2.7	4.5	-
Amplitude Ripple (1565~1585 MHz)	dB	-	0.4	1.5	-
Attenuation (Reference level from 0 dB)					
0 ~ 1000 MHz	dB	32	34	-	-
1000 ~ 1435 MHz	dB	32	34.5	-	-
1435 ~ 1525 MHz	dB	22	24	-	-
1525 ~ 1540 MHz	dB	7	21	-	-
1610 ~ 1625 MHz	dB	7	16	-	-
1625 ~ 1715 MHz	dB	22	25.5	-	-
1715 ~ 1785 MHz	dB	34	39	-	-
1785 ~ 2100 MHz	dB	30	34	-	-
2100 ~ 2200 MHz	dB	25	26.5	-	-
2200 ~ 2500 MHz	dB	27	34	-	-
2500 ~ 4000 MHz	dB	18	32	-	-

C.OUTLINE DRAWING:



△ : Year Code (2016->6, …, 2019->9)

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

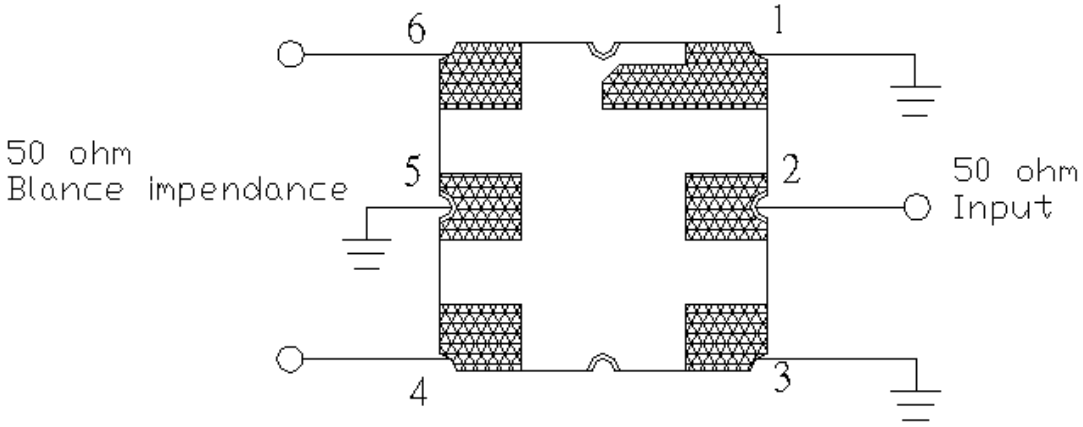
2 : Unbalanced Input

4, 6 : Balanced Output

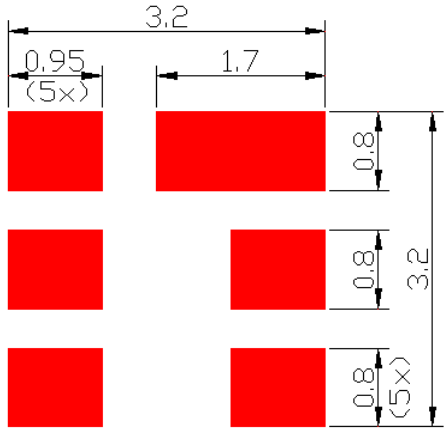
1,3,5, : Ground

Unit : mm

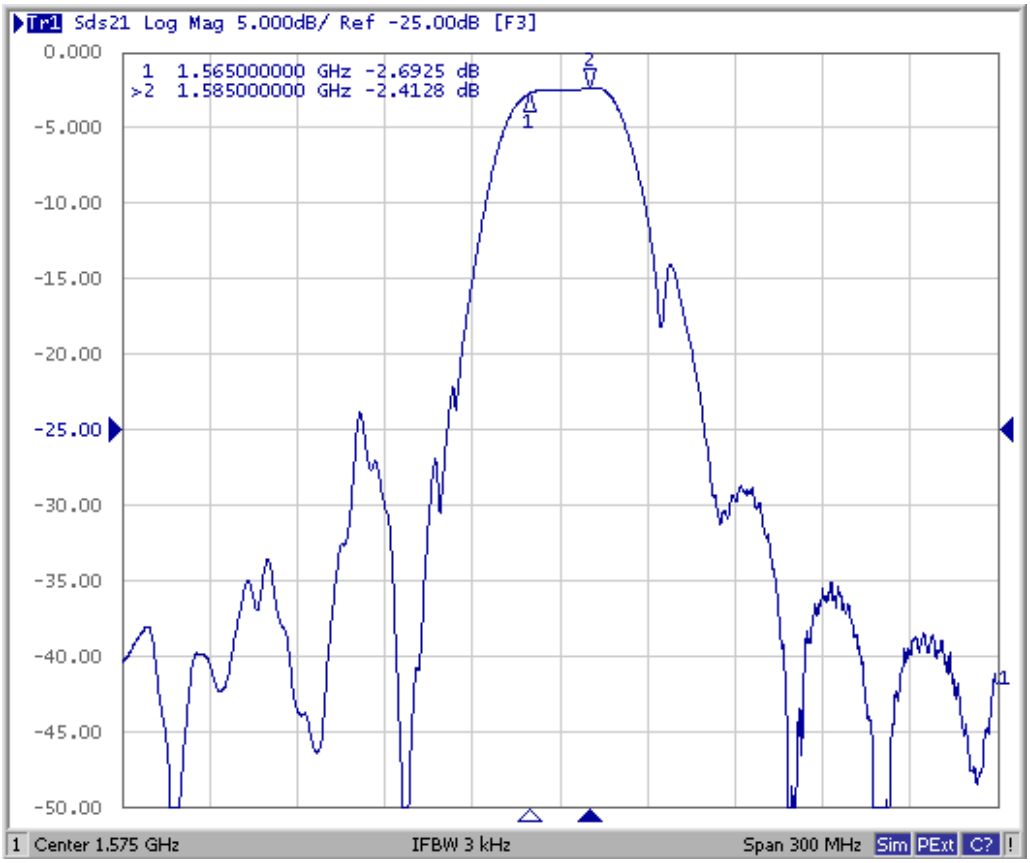
D. MEASUREMENT CIRCUIT:

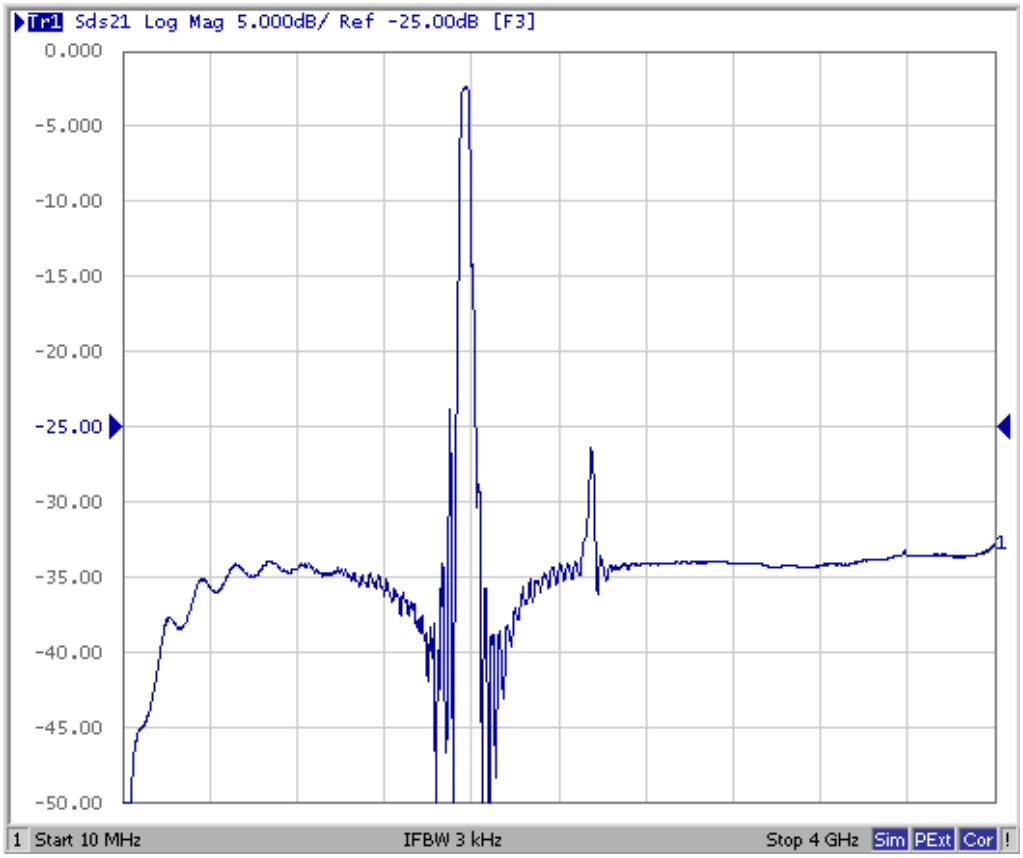


E. PCB Footprint:



F. Frequency Characteristics :

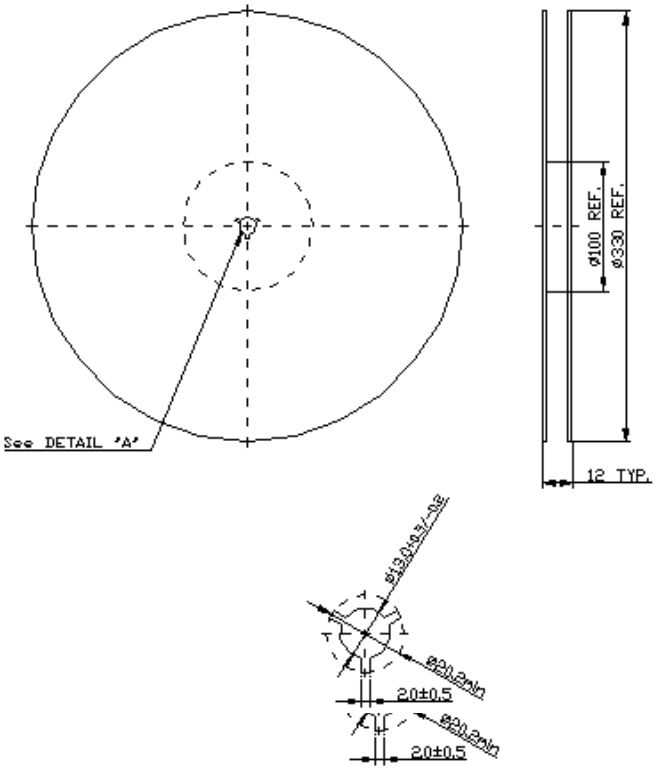




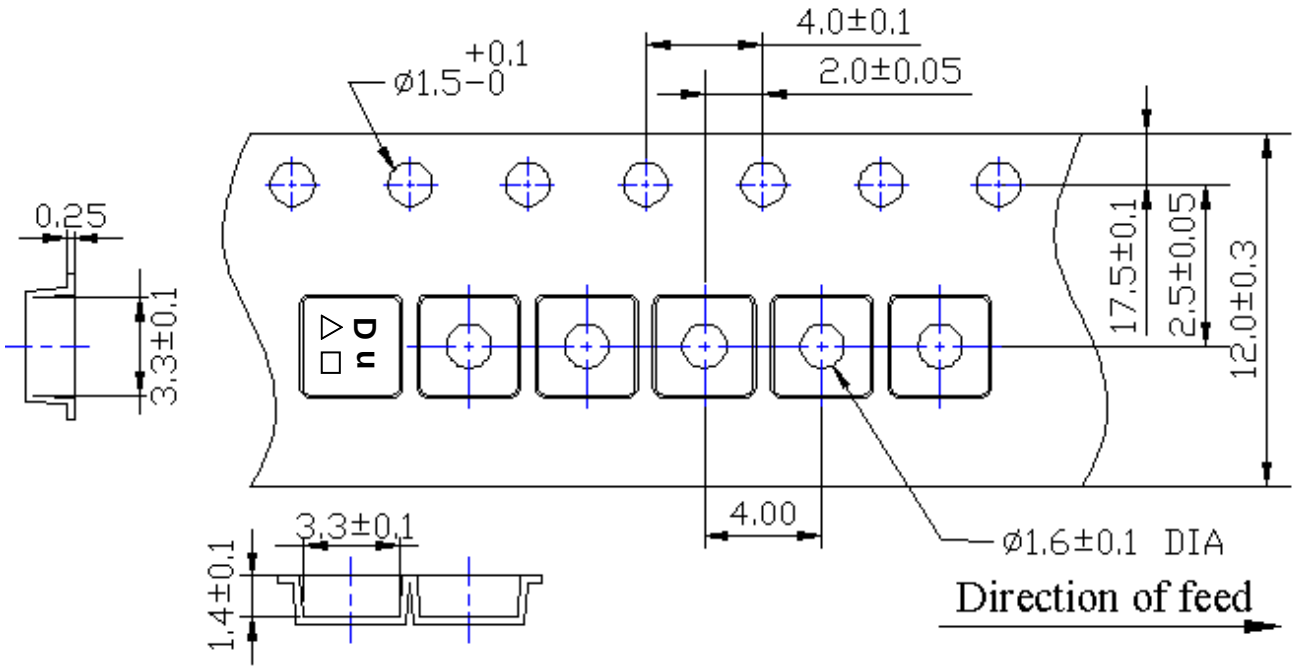
G. PACKING:

1. REEL DIMENSION

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



2.TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

1. Preheating shall be fixed at 150~180℃ for 60~90 seconds.
2. Ascending time to preheating temperature 150℃ shall be 30 seconds min.
3. Heating shall be fixed at 220℃ for 50~80 seconds and at 245~260℃ peak (min. 10sec).
4. Time : 2 times.

