



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: 869.6MHz 1.5MHz BW SMD 5.0 x 5.0 mm SAW RF Filter

TST Parts No.:TA0275A

Customer Parts No.:_____

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

Checked by:_____ Kazuma Lee 

Approval by:_____ Bob Chau 

Date:_____ 07 / 21/ 2014

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 869.6 MHz

MODEL NO.: TA0275A

REV. NO.:2

A. MAXIMUM RATING:

1. Input Power Level: 0 dBm
2. DC voltage: 0 V
3. Operating Temperature: -45°C to +90°C
4. Storage Temperature: -45°C to +90°C

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device

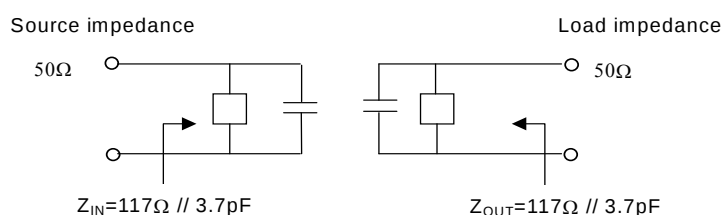
B. ELECTRICAL CHARACTERISTICS:

Reference temperature: -45°C to +90°C

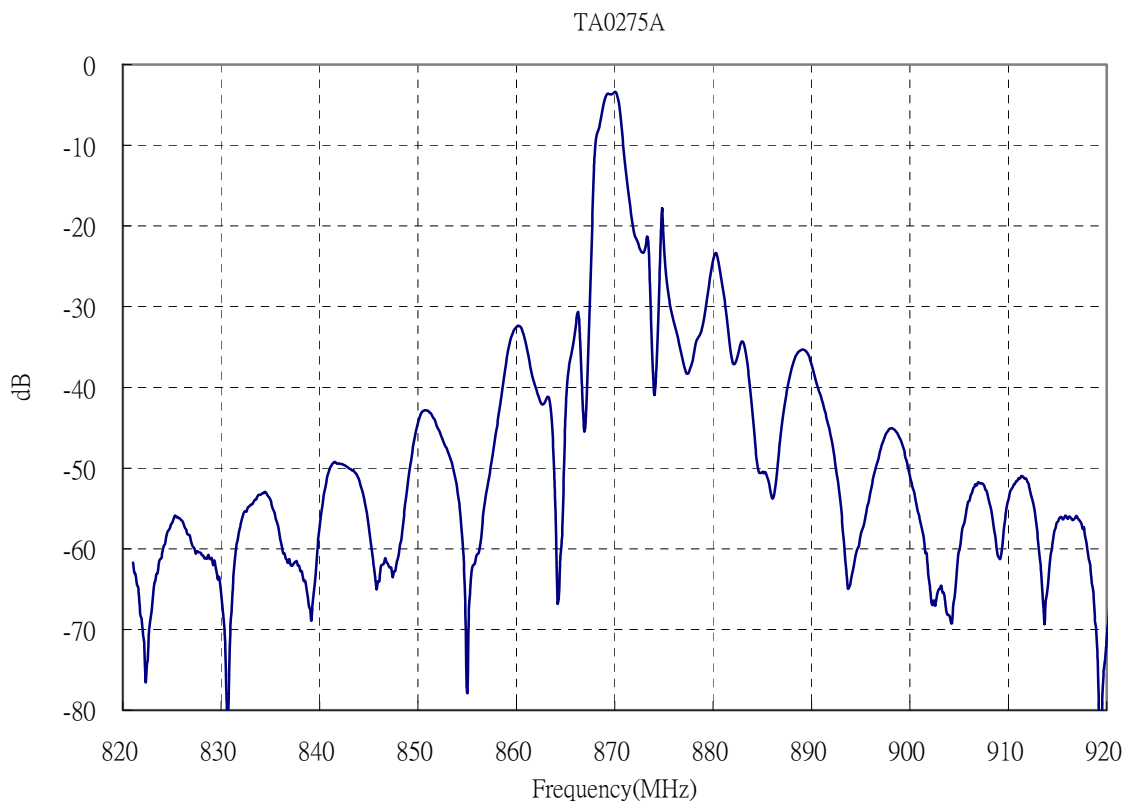
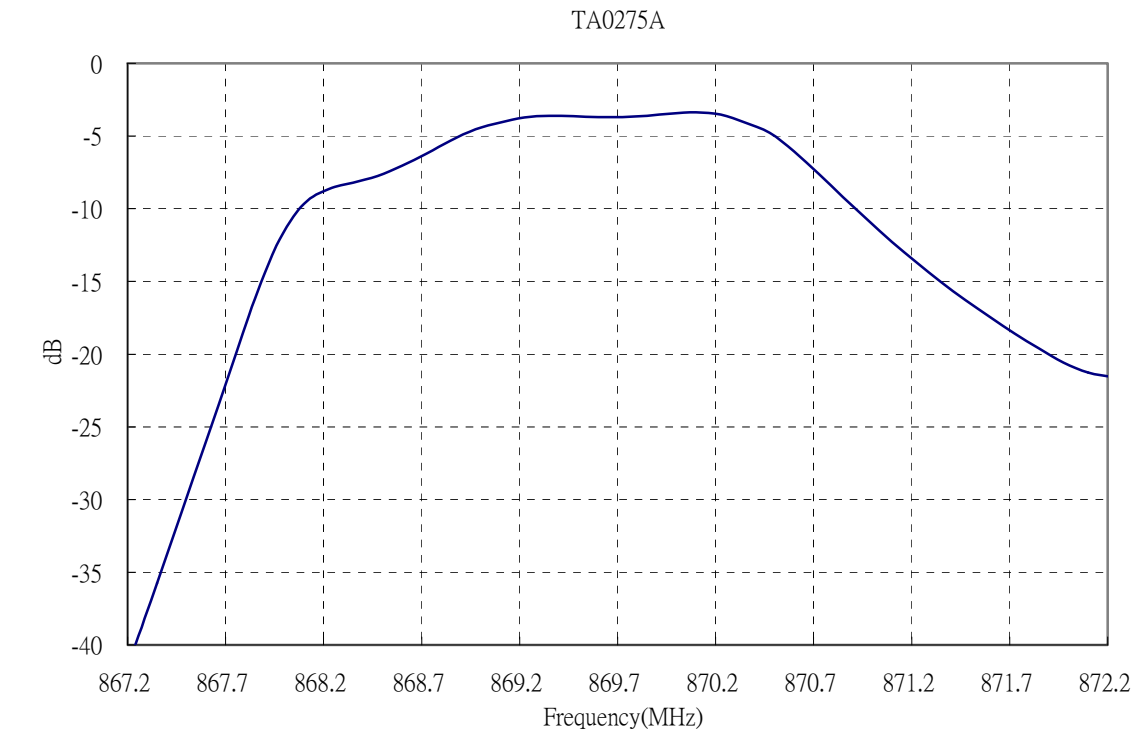
Item	Min.	Typ.	Max.	Note
Center frequency F_c (MHz)	-	869.6	-	1
Minimum I.L. (869.2~870.18 MHz) (dB) IL_{min}	-	3.0	4.7	
Pass band (relative to IL_{min})				
869.2~870.18 MHz (dB)	-	1.0	3.0	1
869.12~870.26 MHz (dB)	-	1.5	6.0	
Pass bandwidth (relative to IL_{min}) BW_3 (KHz)	-	1850	-	
Attenuation:(relative to IL_{min}) (dB)				
10~700 MHz (dB)	55	60	-	1
700~843 MHz (dB)	40	45	-	
843~865.2 MHz (dB)	28	31	-	
865.2~867 MHz (dB)	15	22	-	
871.69~872.5 MHz (dB)	10	15	-	
872.5~880 MHz (dB)	11	16	-	
880~910 MHz (dB)	15	20	-	
910~1000 MHz (dB)	45	50	-	
Impedance at F_c ; Input $Z_{IN}=R_{IN}/C_{IN}$ Output $Z_{OUT}=R_{OUT}/C_{OUT}$	117Ω // 3.7 pF 117Ω // 3.7 pF			2

Note1. The standard definitions is in JIS C 6703

Note2.

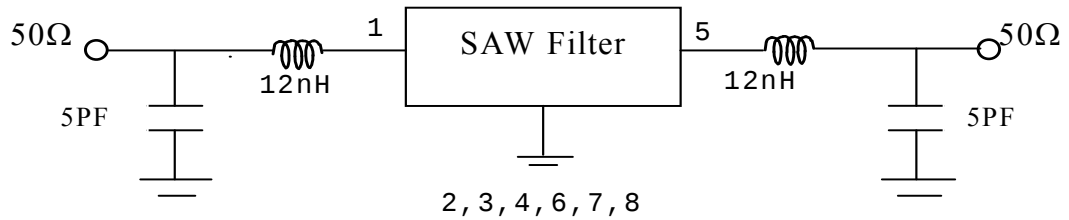


C.FREQUENCY CHARACTERISTICS:

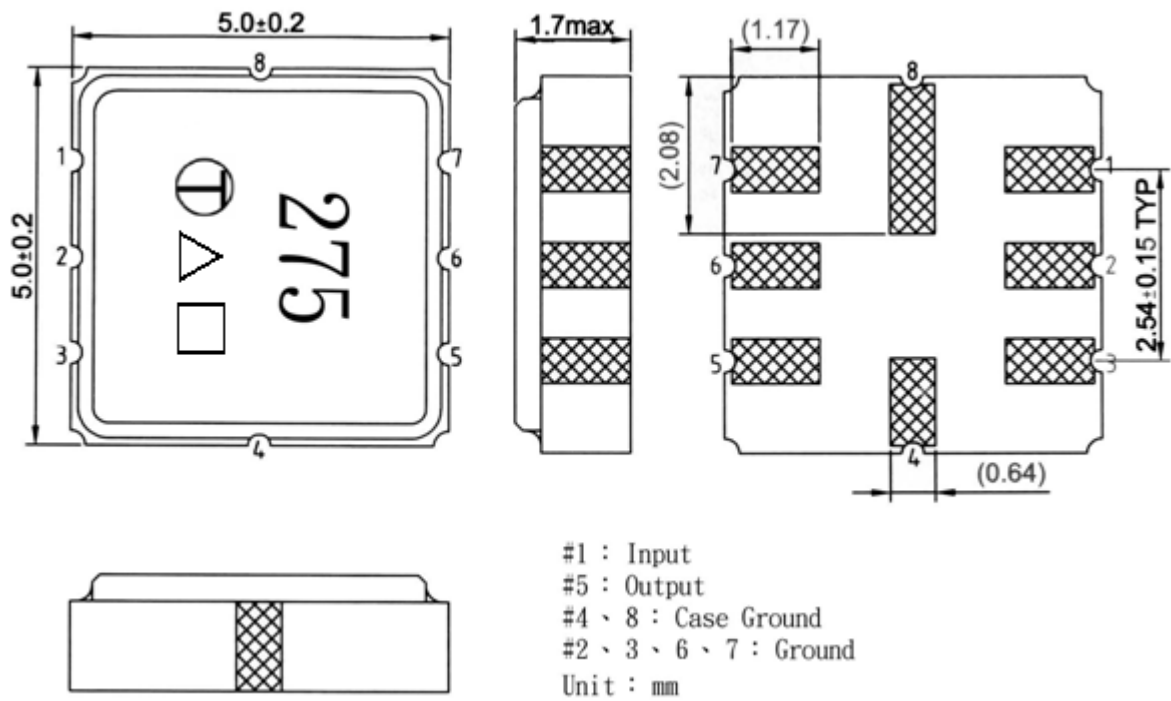


D. MEASUREMENT CIRCUIT:

HP Network analyzer



E. OUTLINE DRAWING:



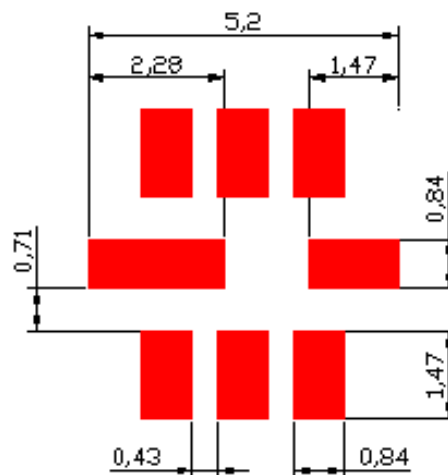
Δ : Product / Year Code

Year	2013	2014	2015	2016
	2017	2018	2019	2020
	2021	2022	2023	2024
Year Code	A	a	<u>A</u>	<u>a</u>

□ : Week Code

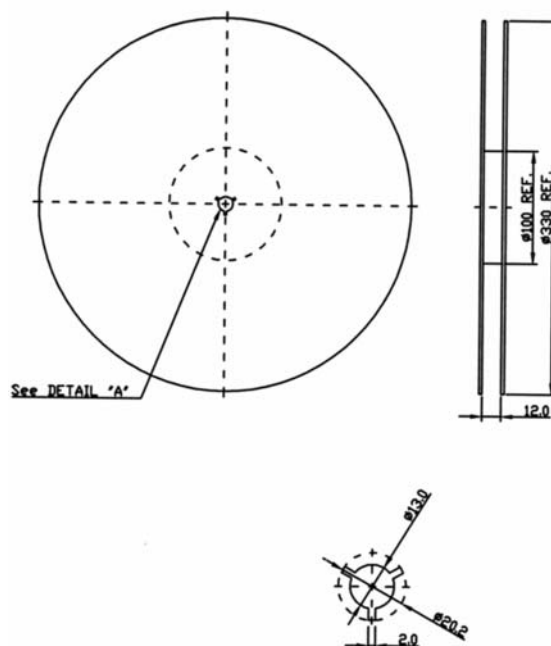
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45	WK46	WK47	WK48	WK49	WK50	WK51	WK52
n	o	p	q	r	s	t	u	v	w	x	y	z

F. PCB Footprint:

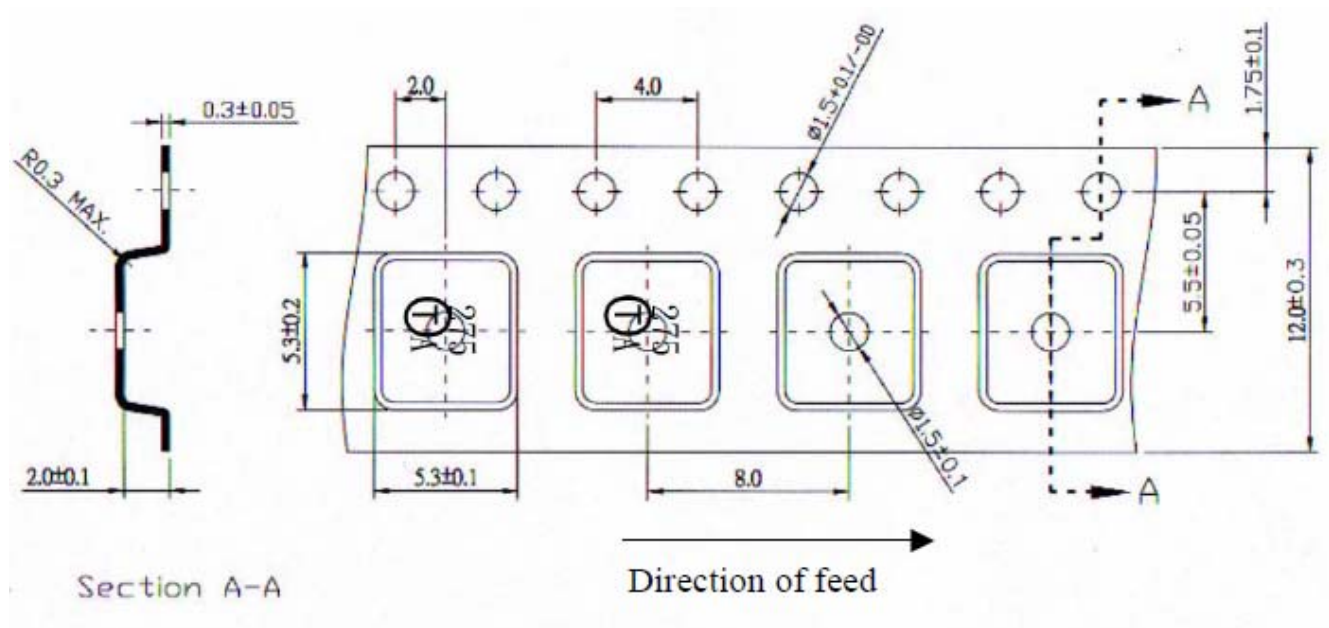


H. PACKING:

1. REEL DIMENSION (Please refer to FR-75D10 for packing quantity)



2.TAPE DIMENSION



I RECOMMENDED REFLOW PROFILE:

