



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: 415.5MHz 19MHz BW SMD 3.8 x 3.8 mm SAW RF Filter

TST Parts No.:TA2208A

Customer Parts No.:_____

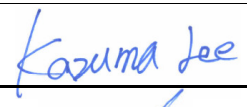
Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____Kazuma Lee 

Approval by:_____Bob Chau 

Date:_____06/16/2017

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 416MHz

MODEL NO.: TA2208A

REV. NO.: 1

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 5 V
3. Operating Temperature: -30°C to 70°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

B. CHARACTERISTICS:

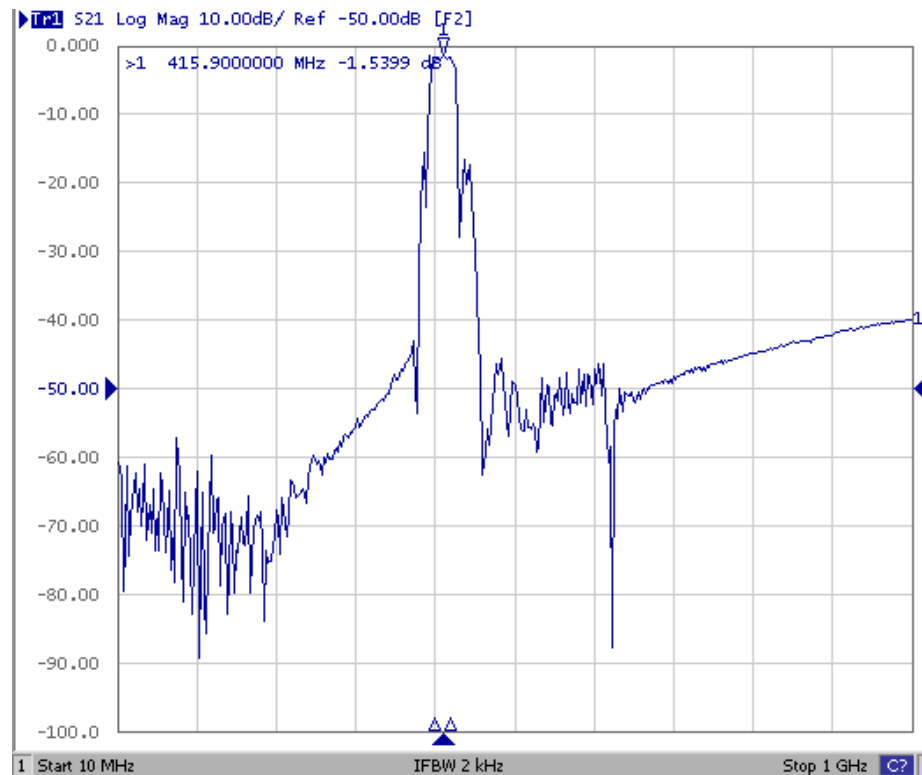
1. Ambient Temperature: 25°C

Item	Unit	Min.	Typ.	Max.
Center frequency, Fc	MHz	-	416	-
Insertion loss, IL (406 ~ 425 MHz)	dB	-	2.0	4
Amplitude Ripple (406 ~ 425 MHz)	dB	-	0.5	2.2
VSWR (406 ~ 425 MHz)		-	1.7	2.2
Attenuation (reference from 0dB)				
10 ~ 300 MHz	dB	30	56	-
300 ~ 380 MHz	dB	24	42	-
380 ~ 386 MHz	dB	15	36	-
460 ~ 525 MHz	dB	12	40	-
559 ~ 580 MHz	dB	28	47	-
669 ~ 690 MHz	dB	24	48	-
690 ~ 1000 MHz	dB	26	40	-
Source impedance, Z _S	Ω	-	50	-
Load impedance, Z _L	Ω	-	50	-

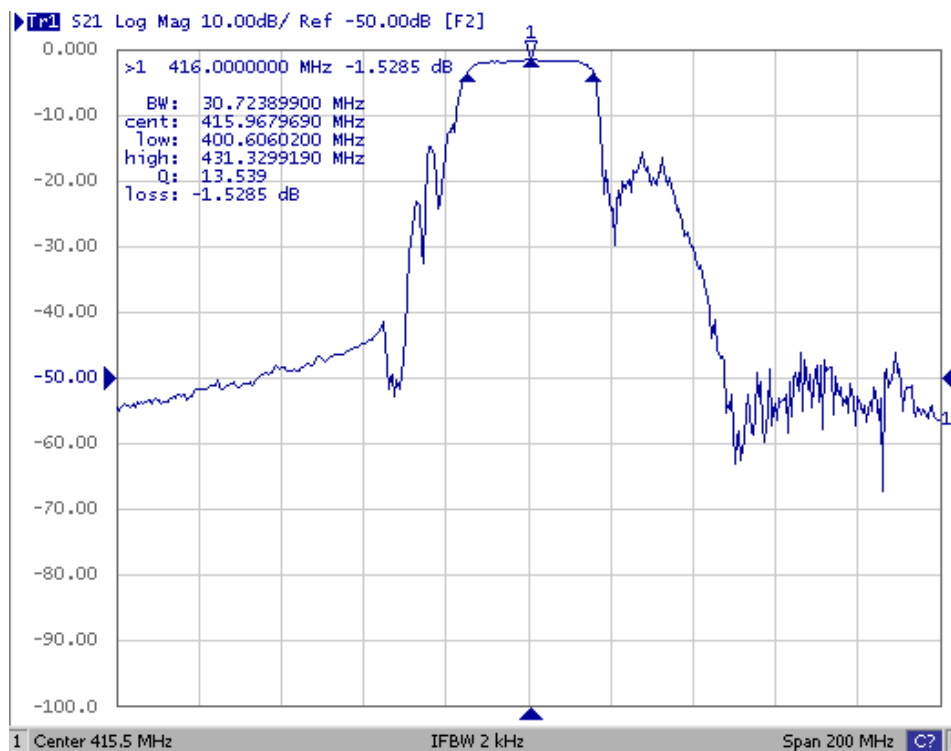
Note1. No matching network required for operation at 50Ω

C. FREQUENCY CHARACTERISTICS:

Wideband



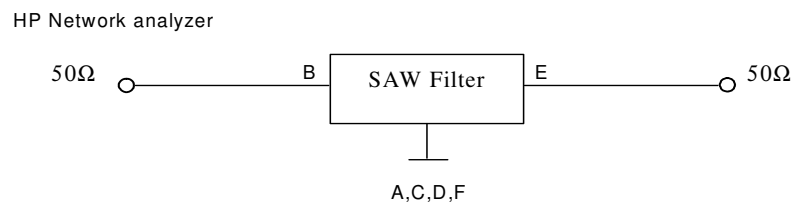
Passband



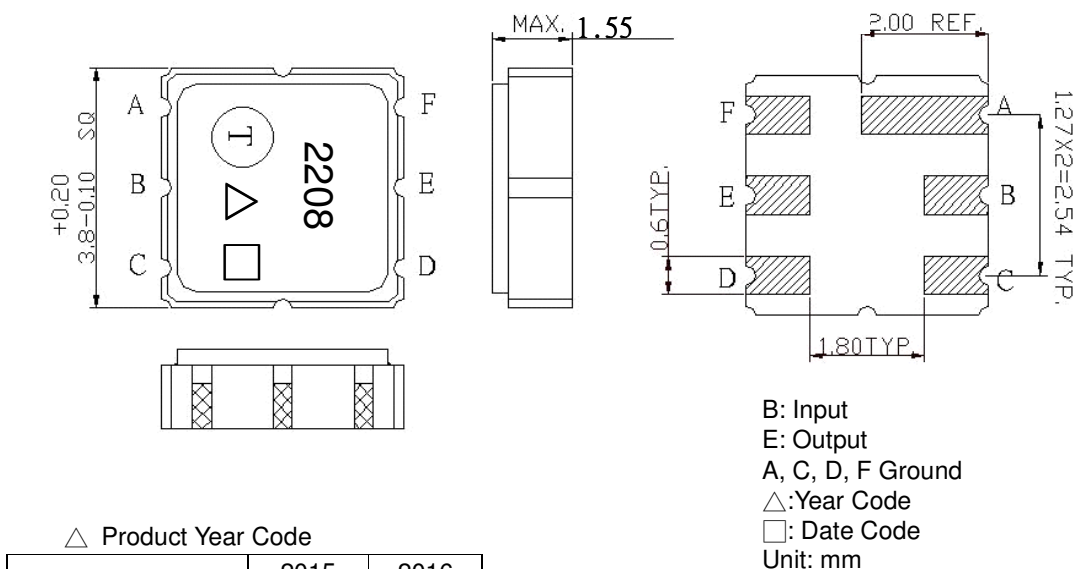
VSWR



D. MEASUREMENT CIRCUIT:



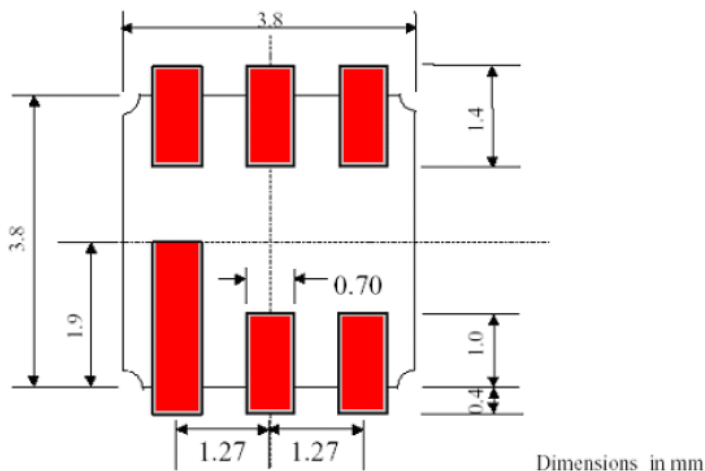
E.OUTLINE DRAWING:



Date Code Table

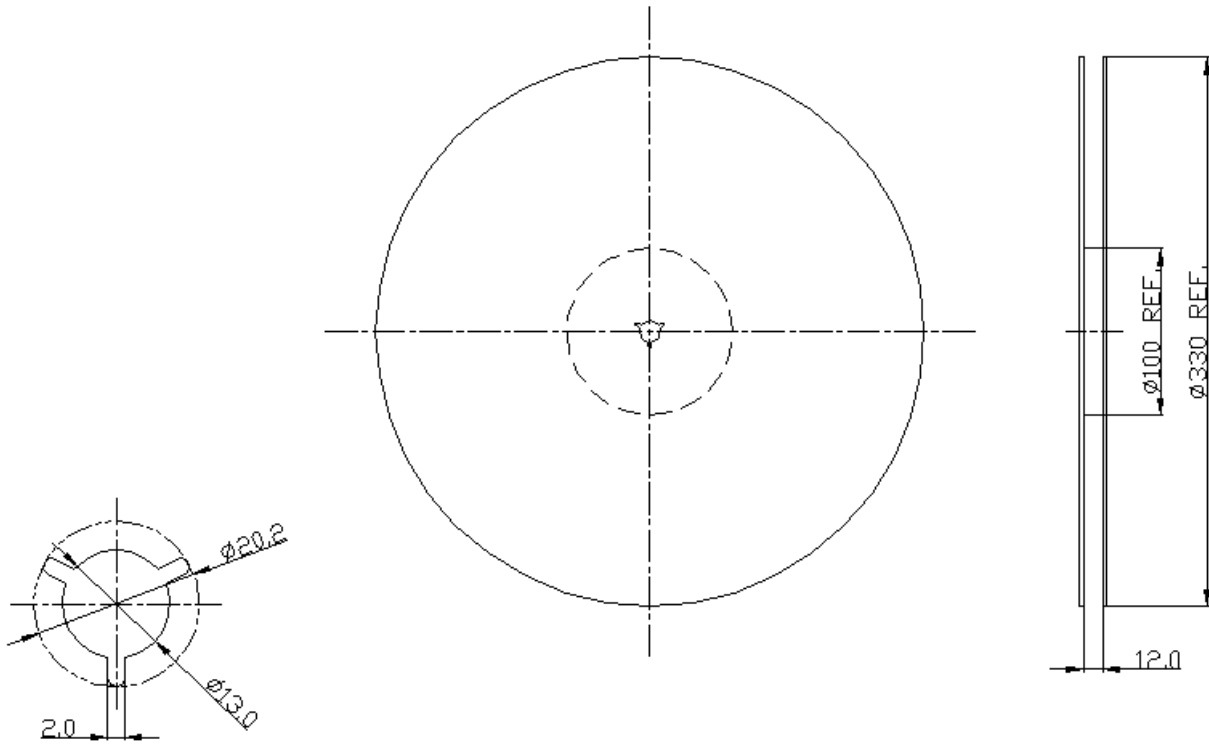
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45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

F. PCB FOOTPRINT:

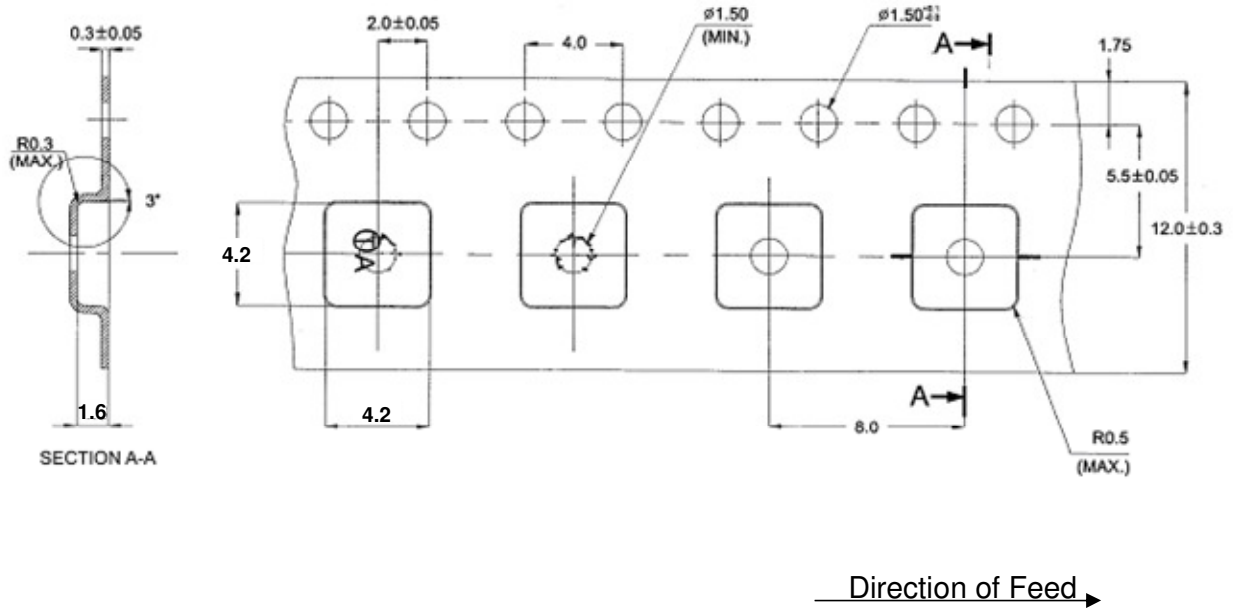


G. PACKING:

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°C for 60~90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50~80 seconds and at 260°C +0/-5°C peak (20~40sec).
4. Time: 2 times.

