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 Specifications Approval Sheet

Issued Date:

Product Name: SAW Resonator 433.42 MHz SMD 5X5 mm

TST Parts No.: TC0206B

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Justin Wu Justin

Approval by: Francis Chen

Date: 2012/10/25

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.

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

SAW Resonator 433.420 MHz

MODEL NO.: TC0206B REV. NO.:1

A. FEATURES:

1. 1-Port Resonator.

RoHS Compliant
Lead free
Lead-free soldering

B. MAXIMUM RATING:

1.Input Power Level: 0 dBm

2.DC voltage: 12 V

Electrostatic **S**ensitive **D**evice (**ESD**)

3.Operating Temperature: -40°C to +85°C

4.Storage Temperature: -40°C to +85°C

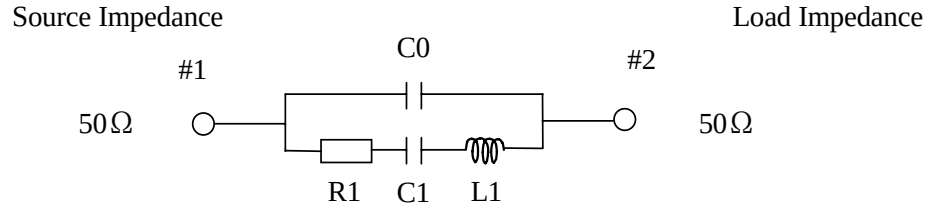
C. ELECTRICAL CHARACTERISTICS:

Characteristic	Units	Minimum	Typical	Maximum
Center frequency **Fr**	**MHz**	433.345	433.420	433.470
Insertion Loss **IL**	**dB**	-	1.0	1.5
Equivalent Elements				
Motional capacitance **C1**	**fF**	-	1.8	-
Motional inductance **L1**	**μH**	-	73	-
Motional resistance **R1**	**Ohm**	-	13	23
Parallel capacitance **Co**	**pF**	-	3	-
Temp.coeff.	**ppm/c*2**	-	0.032	-
Turnover To	**deg.C**	10	25	40
Package size		SMD 5X5X1.4mm		

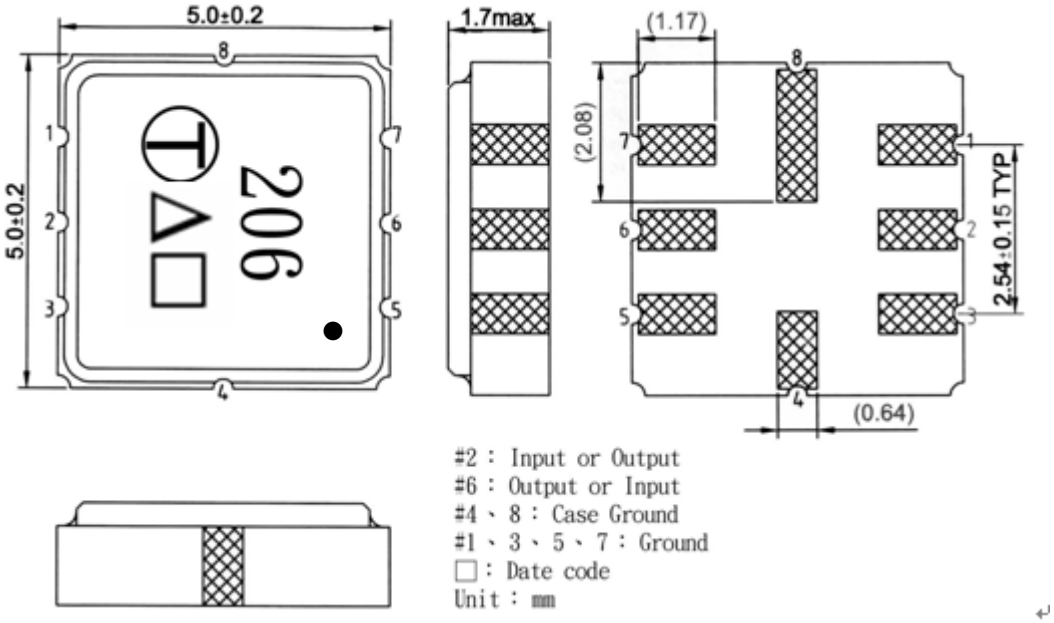
Temperature dependence of fc: $fc(T_A)=fc(T_O)(1+TC_f(T_A-T_O)^2)$

E.EQUVIRENT CIRCUIT:

One-Port Resonator:



D.OUTLINE DRAWING:



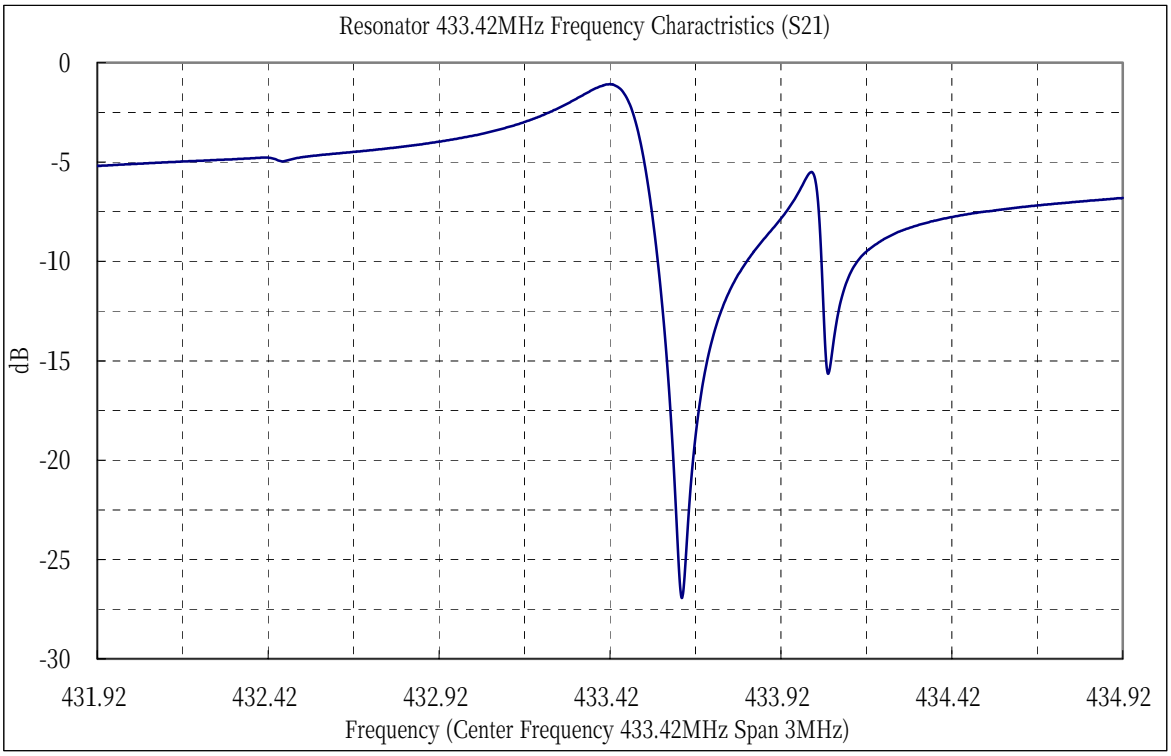
□ Data code：See the table

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

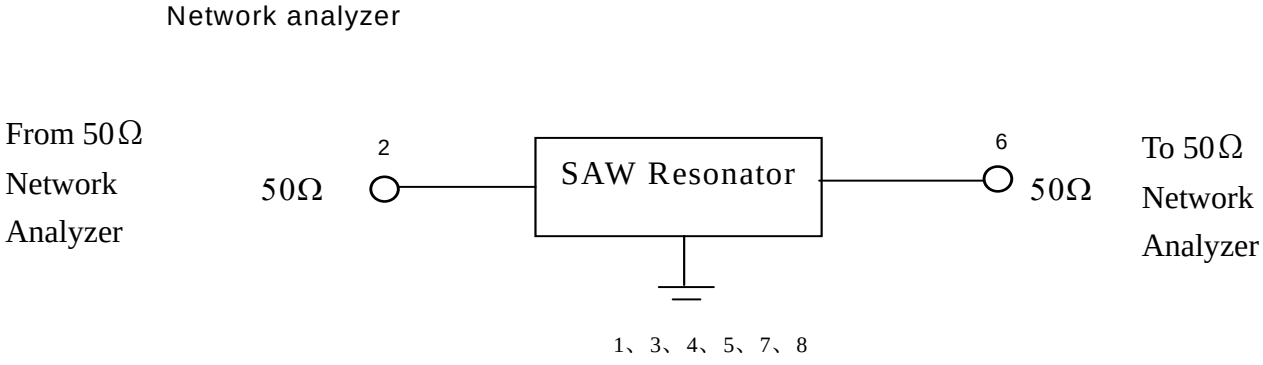
Δ Year code：See the table

Year	2009 2013	2010 2014	2011 2015	2012 2016
Year Code	C	c	C	c

F.FREQUENCY CHARACTERISTICS:

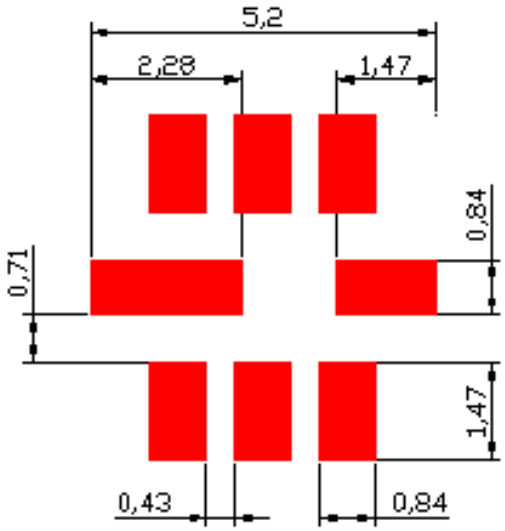


G. TEST CIRCUIT:



H. PCB FOOTPRINT:

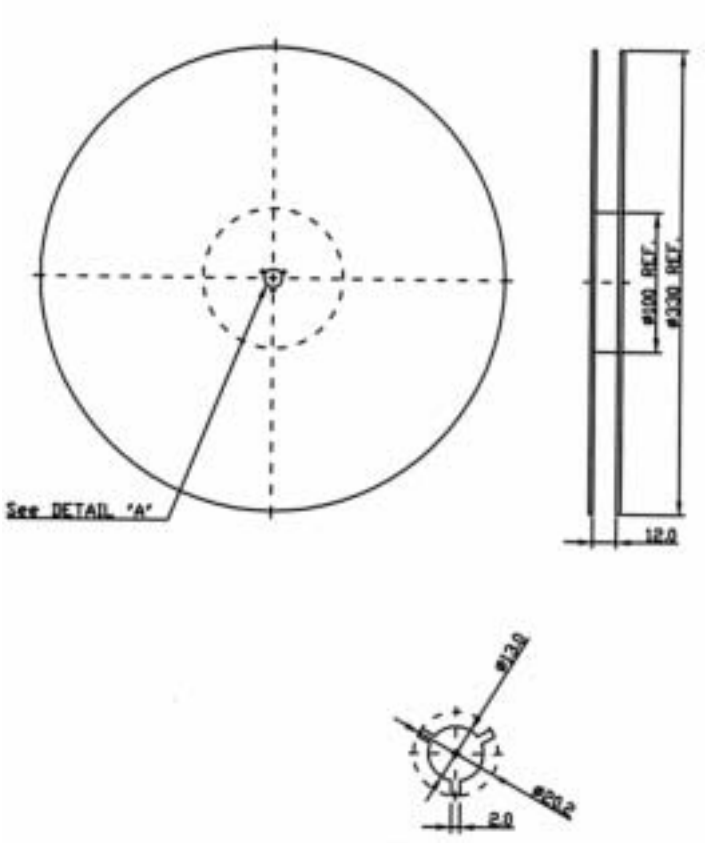
5.0*5.0 (MCB0061)



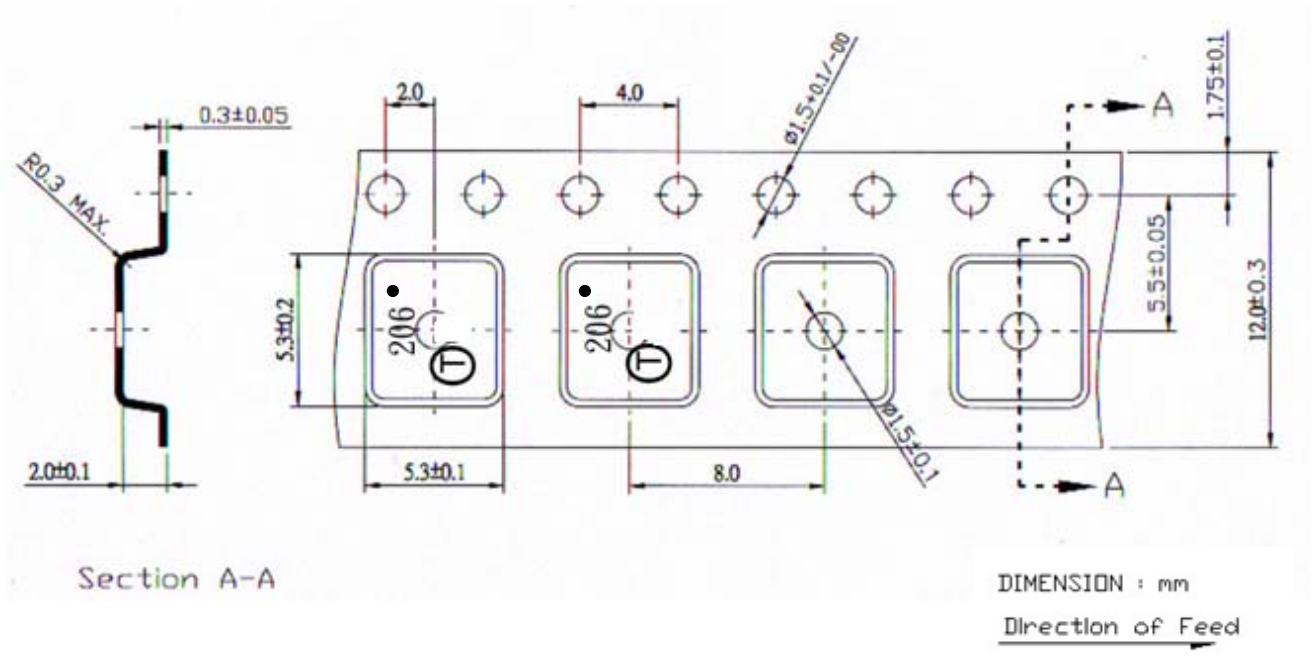
H. PACKING:

1.REEL DIMENSION

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



2.TAPE DIMENSION



H.RECOMMENDED REFLOW PROFILE: