



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

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Approval Sheet For Product Specification

Issued Date: 08/23/2005

Product Name: SMD8x4.5 13.560MHz Crystal Resonator

TST Part No.: TZ0739A

Customer Part No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Robert Chang

Approved by: _____ TF Yang

Date: _____ 08/23/2005



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13.560MHz Crystal Resonator

MODEL NO.: TZ0739A

REV. NO.: 1.0

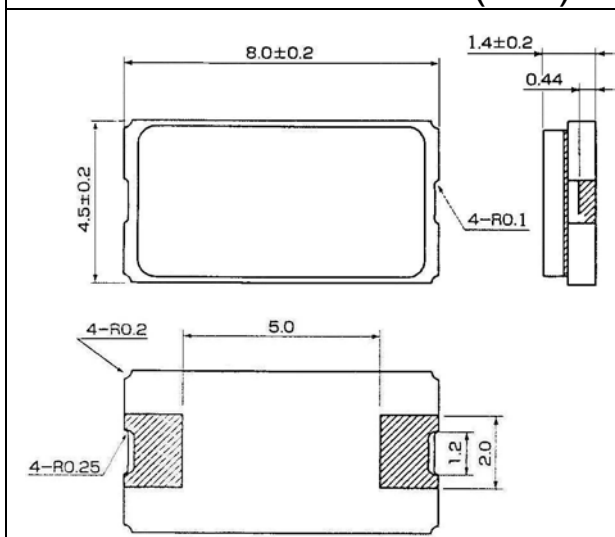
Electrical Specifications:

RoHS Compliant

Lead-free soldering

	Specification
Nominal Frequency	13.560 MHz
Mode of Vibration	Fundamental
Storage Temperature Range	-40°C to +85°C
Operating Temperature Range	-20°C to +70°C
Frequency Stability over Operating Temperature	+/-10 ppm
Frequency Make Tolerance	+/-10 ppm @ 25°C +/- 3°C
Max. Value of the Series Resistor	20Ω max.
Max. Value of the Parallel Capacitor	7 pF max.
Drive Level	10uW nominal
Load Capacitance-CL	8 pF
Aging	+/-3.0 ppm/year @25°C
Marking	Laser marking
Insulation Resistance	500M Ω min at DC 100V

Mechanical Dimensions (mm):



Marking:

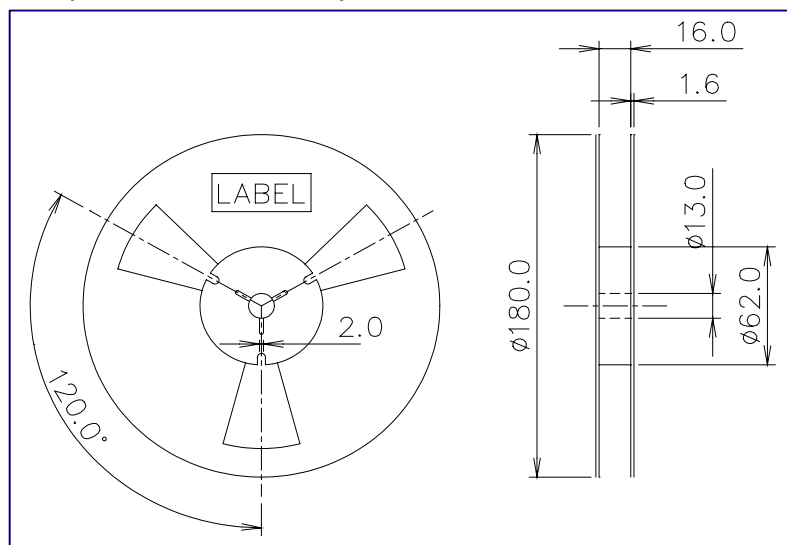
13.5600
739ⓧZD

“Z” stand for product code
and “D” for date code

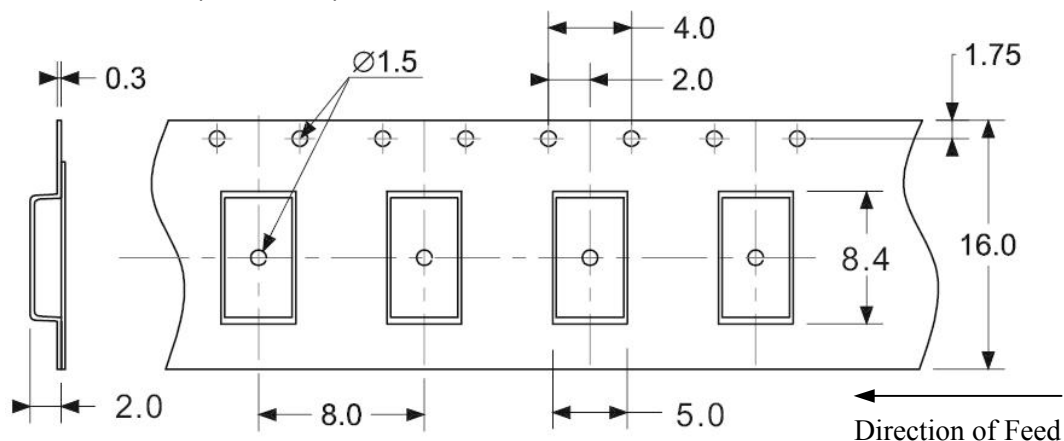
PACKING:

1. REEL DIMENSION (Unit: mm):

13" Reel for 3kpcs ; 7" Reel for 1kpcs



2. TAPE DIMENSION (Unit: mm)



3. PACKING DIRECTION

The dot or the logo of marking should be close to the hole of tape.

Product Code Table

Year	2001 2005	2002 2006	2003 2007	2004 2008
Product Code	Z	z	<u>Z</u>	<u>z</u>

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