



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet For Product Specification

Issued Date: 1/6/2003 (REV. NO: 2)

Product Name: SMD 3.5x6 16.367667MHz Crystal Resonator

TST Parts No.: TZ0134A

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ CC Hsu

Approval by: _____ TF Yang

Date: _____ 1/6/2003



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SMD 3.5x6 16.367667MHz Crystal Resonator

MODEL NO.: TZ0134A

REV. NO.: 2

Features:

- Surface Mount Seam Weld Package
- Excellent Aging
- Good Frequency Perturbation and Stability over temperature
- Ultra Miniature Package

RoHS Compliant
Lead free
Lead-free soldering

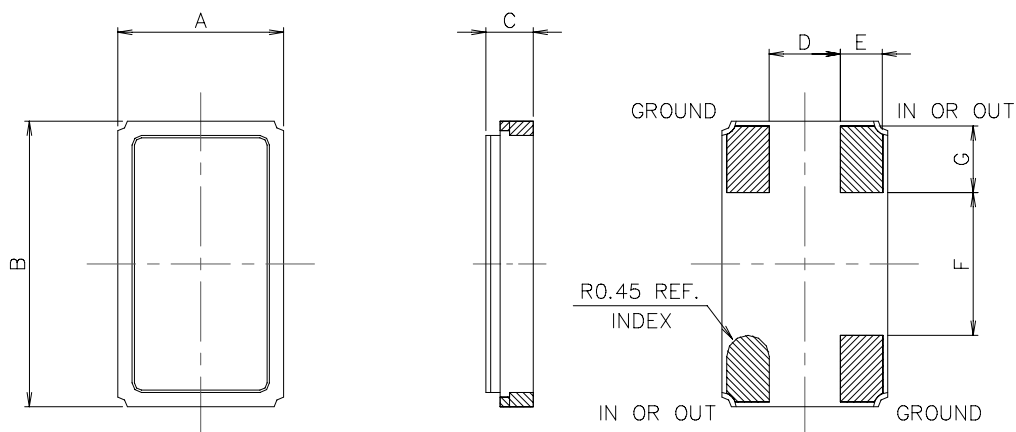
Description and Applications:

Surface mount 3.5mmx6.0mm crystal resonator for use in wireless telecommunications devices, especially for a need of ultra miniature package for mobility.

Electrical Specifications:

TZ0134A	Specification
Nominal Frequency	16.367667 MHz
Mode of Oscillation	Fundamental
Storage Temperature Range	-40°C to +85°C
Operating Temperature Range	-40°C to +85°C
Frequency Stability over Operating Temperature	+/-15 ppm
Frequency Perturbation	+/-1.0ppm
Drive Level	50 uW nominal
Frequency Make Tolerance	±7 ppm @ 25°C +/- 3°C
Resonance Resistance (ESR)	35 Ω max.
Shunt Capacitance (Co)	7 pF max
Load Capacitance-CL	20 pF
Insulation Resistance	500 MΩ min./DC 100V
Aging	±1.0 ppm/year @25°C
Marking	Laser marking

Mechanical Dimensions (mm):

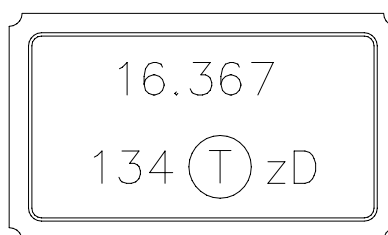


UNIT \ ITEM	A	B	C	D	E	F	G
MM	3.5 ±0.13	6.0 ±0.13	1.0 ±0.16	1.5 ±0.13	0.9 REF.	3.0 ±0.13	1.4 REF.

Marking:

First Line: Customer Frequency (16.367)

Second Line: Model Number (134)+TST Logo+Crystal Family+Date code

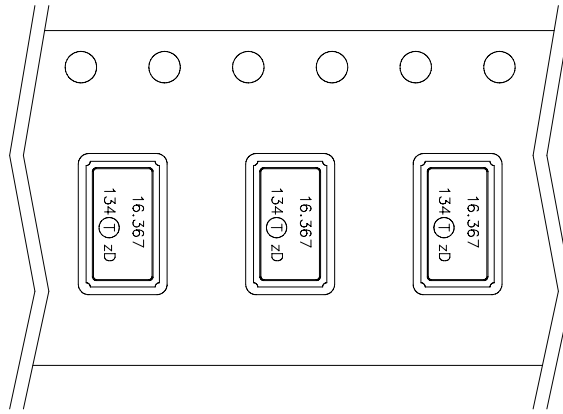


Product Code Table

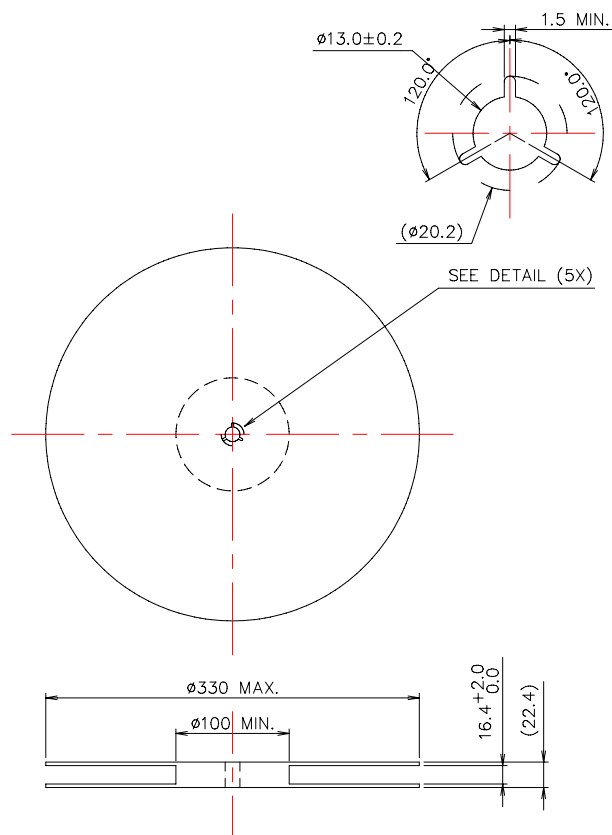
Year	2001 2005	2002 2006	2003 2007	2004 2008
Product Code	Z	z	<u>Z</u>	<u>z</u>

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



Reel Dimensions (mm):



Tape Dimensions (mm):

