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

Approval Sheet For Product Specification

Issued Date: 10/18/2005 (REV. NO: 1)

Product Name: SMD 5x7 45MHz Crystal Filter

TST Parts No.: TY0133A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: CC Hsu

Approval by: TF Yang

Date: 10/18/2005

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SMD 5x7 45MHz Crystal Filter

MODEL NO.: TY0133A REV. NO.: 1

Features:

- Surface Mount Seam Weld Package
- 3-pole IF Filter
- Excellent Reliability Performance

RoHS Compliant
Lead free
Lead-free soldering

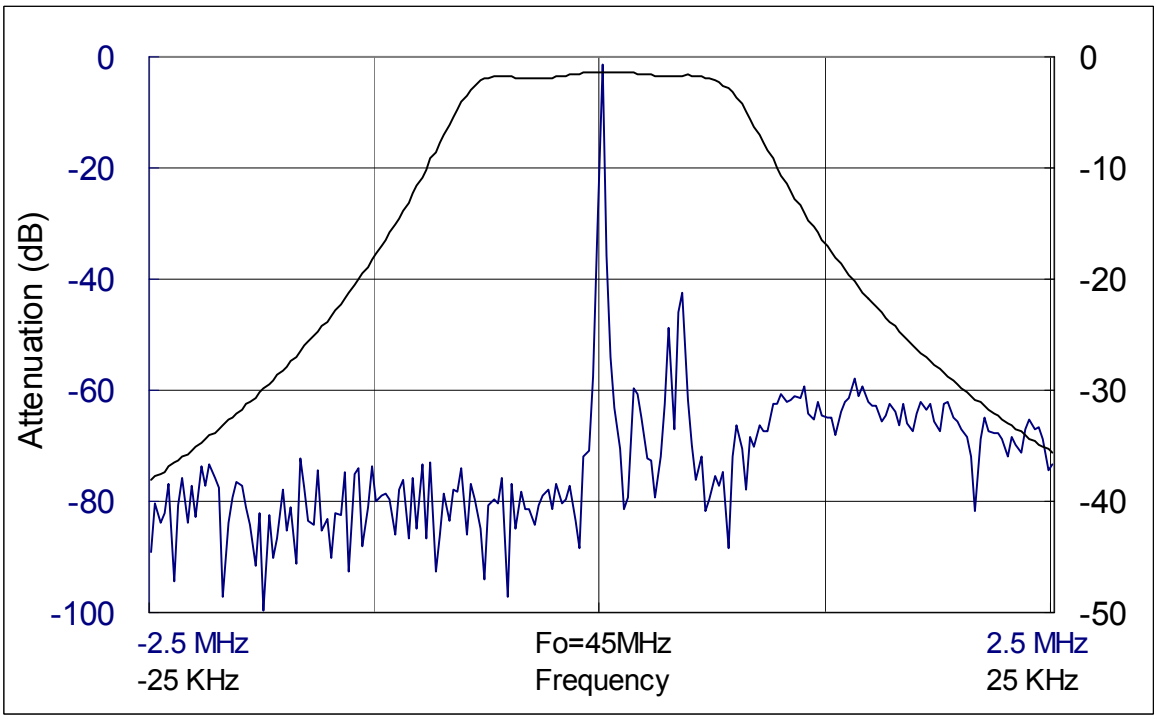
Description and Applications:

Surface mount 5.0mmx7.0mm crystal filter for use in wireless telecommunication devices.

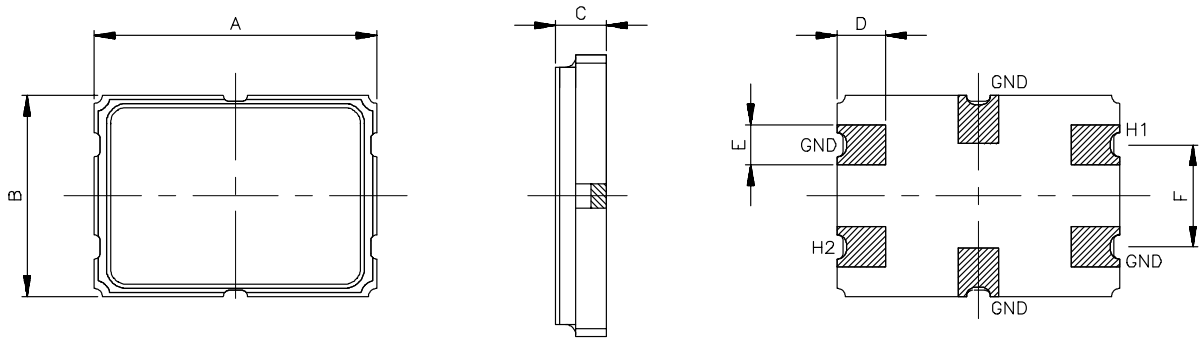
Electrical Specifications:

TY0133A	**Specification**
Center Frequency Fo	45.0 MHz, Fundamental
Insertion Loss	3.0 dB max
Ripple (@+/-6.0 KHz)	1.0 dB max
3 dB Passband	+/-7.5 KHz
Stopband (@+/-25 KHz)	15 dB min
Ultimate Attenuation @ Fo-910 KHz	70 dB min
Spurious	10 dB min
Terminating Impedance	650Ω// 3.5pF
Operating Temperature	-20°C ~ +70°C
Marking	Laser marking

Frequency Response:



Mechanical Dimensions (mm):

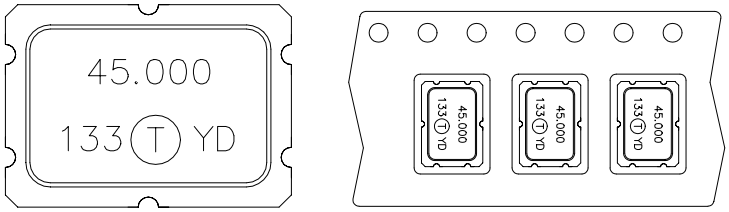


A	B	C	D	E	F
7.00 ±0.18	**5.00 ±0.18**	**1.27 ±0.20**	**1.21 ±0.13**	**0.99 ±0.13**	**2.54 ±0.13**

Marking:

First line: Frequency (45.000)

Second line: Model Number+TST Logo+Crystal Filter Family+Date code



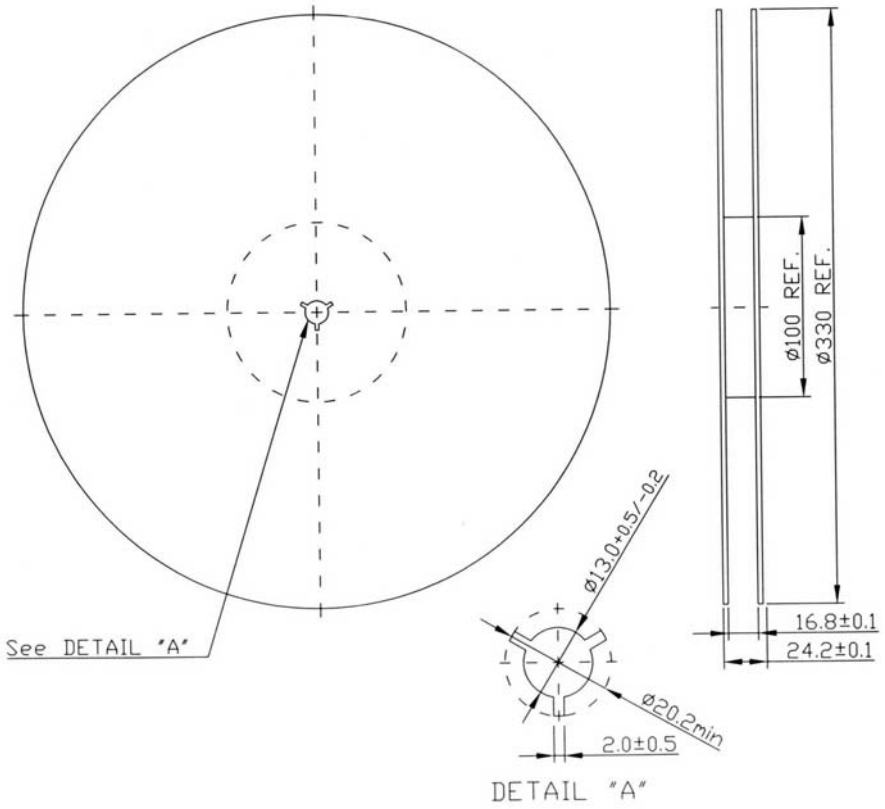
Product Code Table

Year	2001 2005	2002 2006	2003 2007	2004 2008
Product Code	Y	y	Y	y

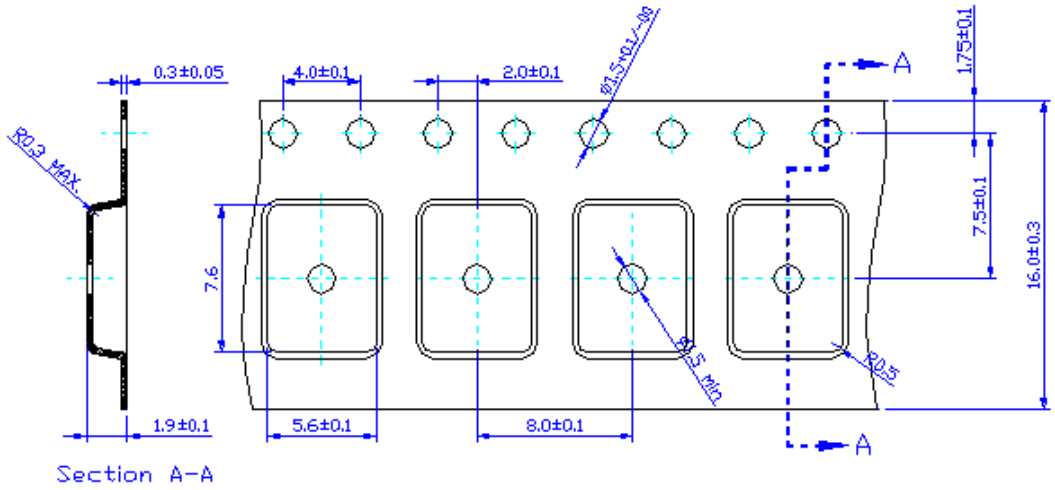
Date Code Table

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):



Reflow Profile:

