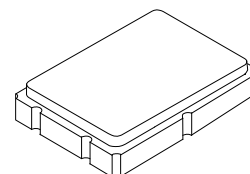


XFL8012B

**45.0 MHz
Crystal Unit**



SM5070-6 Case

Features:

- Surface Mount Seam Weld Package
- 3-pole IF Filter
- High Reliability

Description and Applications:

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

Electrical Specifications:

XFL8012B	Specification
Center Frequency Fo	45.0 MHz, Fundamental
Insertion Loss	3.0 dB max
Ripple (@+/-3.75 KHz)	1.0 dB max
3 dB Passband	+/-3.75 KHz
Stopband (@+/-12.5 KHz)	10 dB min
Ultimate Attenuation @ Fo-910 KHz	65 dB min
Spurious	10 dB min
Terminating Impedance	200Ω// 4.0pF
Operating Temperature	-30°C ~ +80°C
Marking	Laser marking

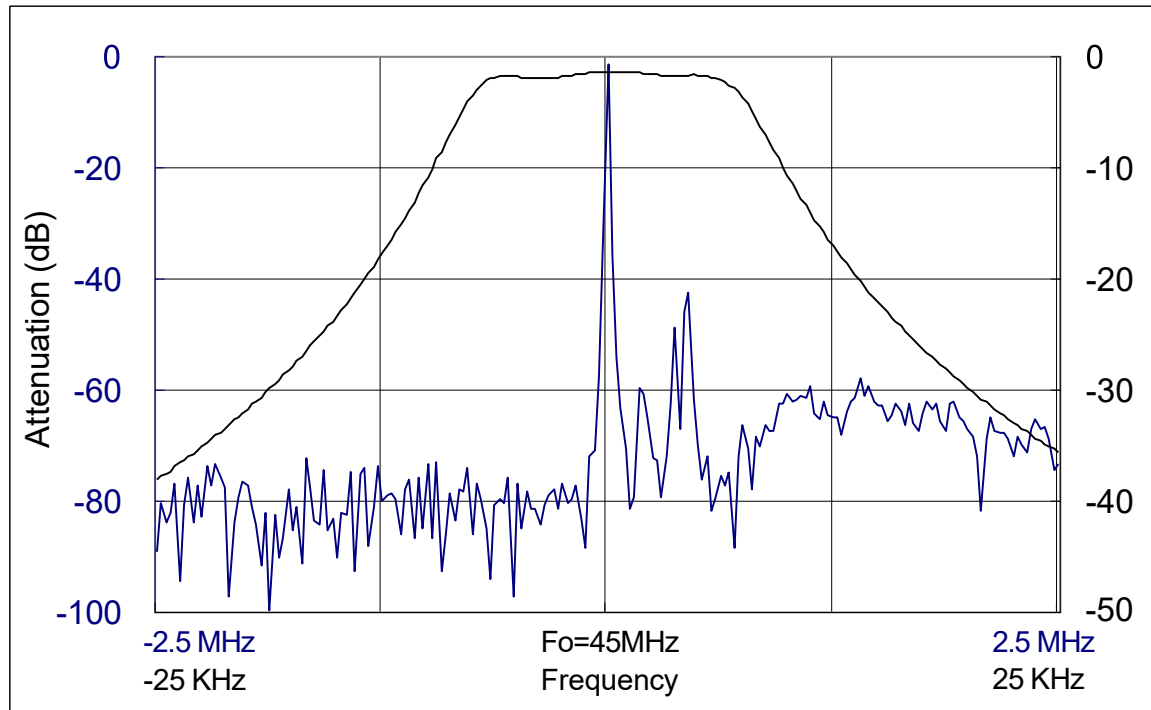


CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.

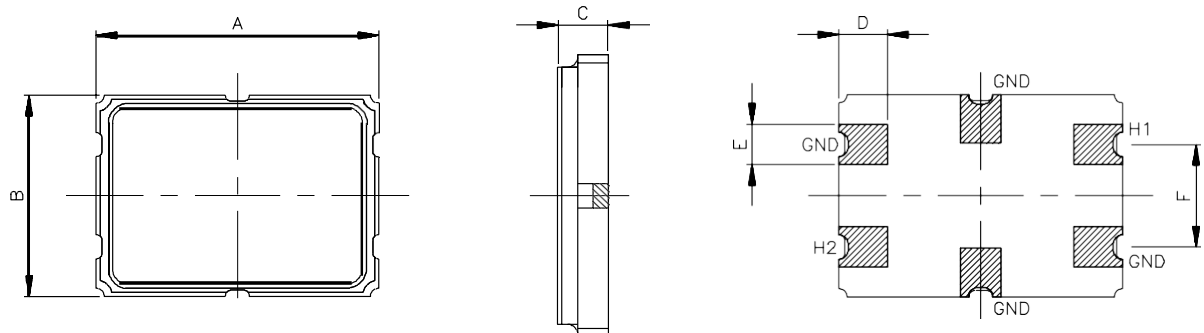
NOTES:

1. The design, manufacturing process, and specifications of this device are subject to change.
2. US or International patents may apply.
3. RoHS compliant from the first date of manufacture.

Frequency Response:



Mechanical Dimensions (mm):

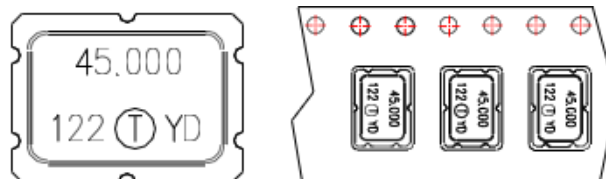


A	B	C	D	E	F
7.00 ± 0.18	5.00 ± 0.18	1.27 ± 0.20	1.21 ± 0.13	0.99 ± 0.13	2.54 ± 0.13

Marking:

First line: Frequency (45.000)

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



Product Code Table

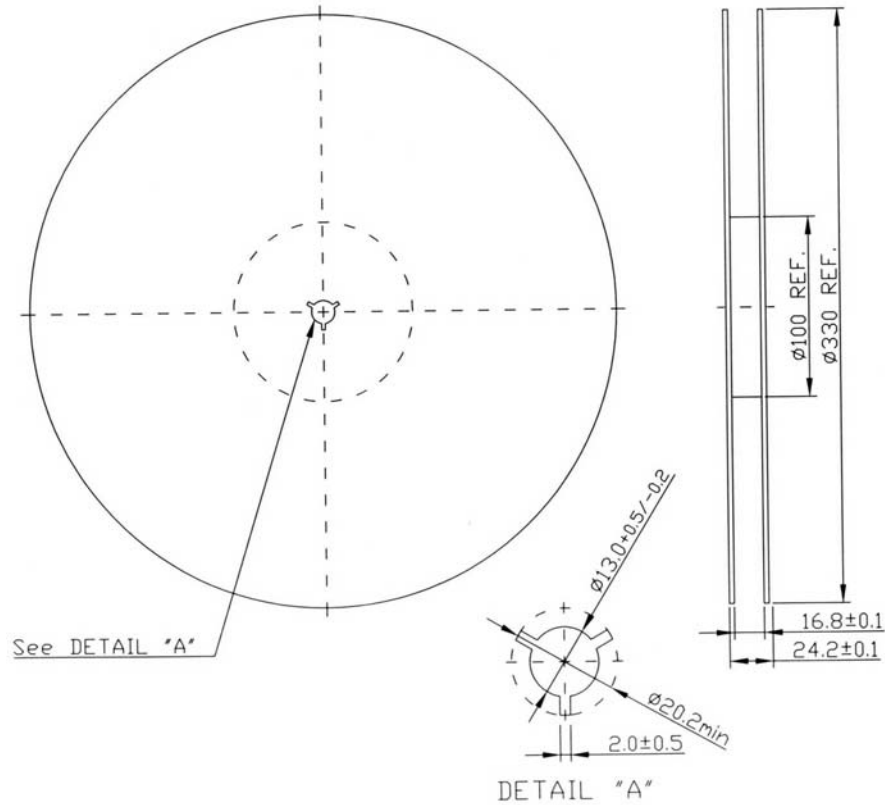
Year	2001 2005	2002 2006	2003 2007	2004 2008
Product Code	Y	y	<u>Y</u>	<u>y</u>

Date Code Table

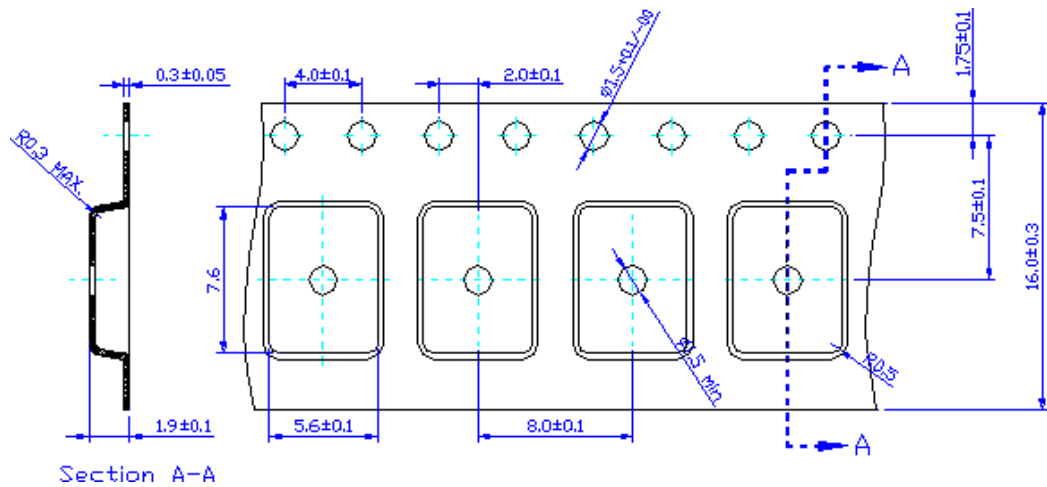
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45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

Reel Dimensions (mm):

Reel Count:
7" = 1000



Tape Dimensions (mm):



Reflow Profile:

1. Preheating shall be fixed at 140 ~ 160 °C for 60 ~ 90 seconds.
2. Ascending time to preheating temperature 150 °C shall be 30 seconds min.
3. Heating shall be fixed at 200 °C for 50 ~ 60 seconds and at 230±10 °C peak.

