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: 2005 Dec. 14 (REV NO : 1.0)

Product Name: 7.0x5.0 VCXO 100 MHz

TST Parts No.: TX0171A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Ryan Huang

Approval by: TF Yang

Date: 2005/12/14

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7.0x5.0 VCXO 100 MHz

MODEL NO.: TX0171A REV. NO.:1.0

Features:

RoHS Compliant
Lead free
Lead-free soldering

1. 3.3V Operation / Complementary PECL Output
2. Enable / Disable Tristate Function (6-Pad)
3. Main application: WLAN, SONET/SDH/DWDM, Gigabite Ethernet, Storage Area Network, Digital Video
4. Surface mount 5.0mmx7.0mm crystal oscillator unit

Electrical Specifications:

Measurement shall be made under room temperature and humidity at below conditions.

Temperature: 25+/-3 ℃

Humidity: Below 70% RH

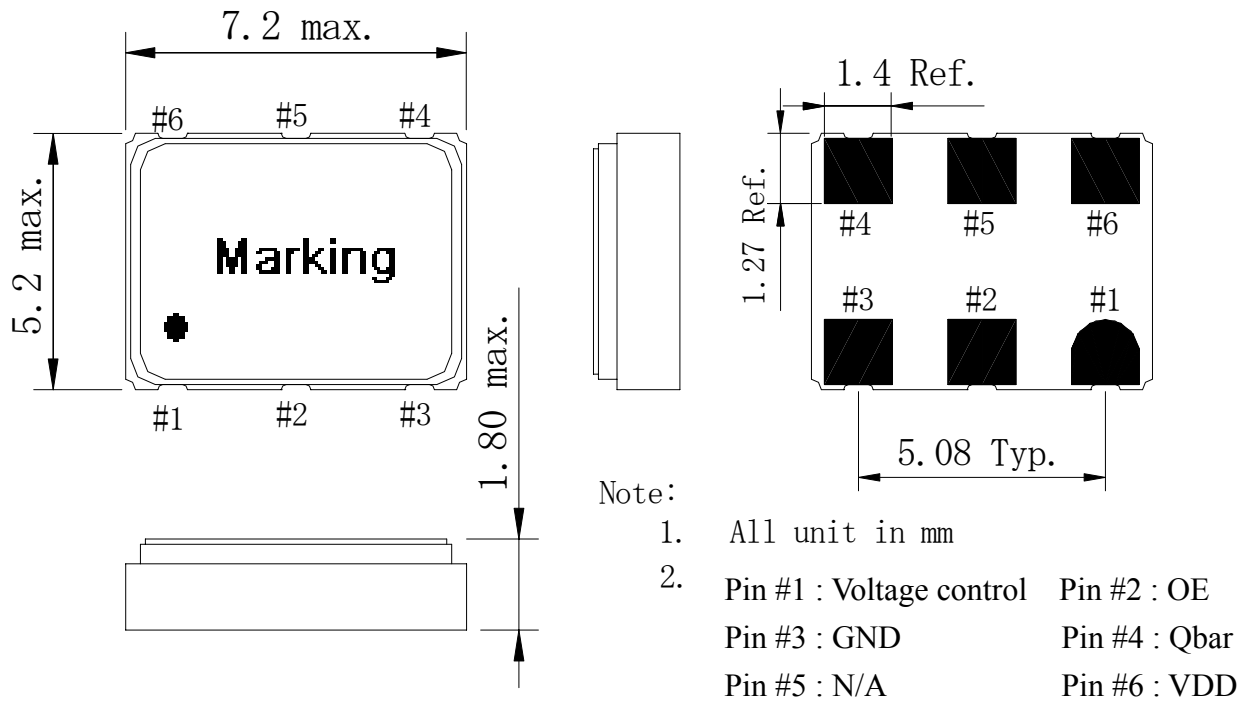
Operating Temperature: 0 °C to +70 °C

Storage Temperature: -40 °C to +85 °C

Characteristics	Units	Minimum	Typical	Maximum
Center Frequency	**MHz**		100	
Frequency Stability	**ppm**	-5	-	25
# Frequency temperature Stability				
Input Voltage (Operating Vdd)	**VDC**	-	3.3+/-5%	-
Input Current	**mA**	-	-	60
Control Voltage (Vt)	**VDC**	0.3	1.65	3.0
Frequency Pullability	**ppm**	+/-150	-	-
Linearity	**%**		10%	
Output				
Load	**pF**	-	15	-
“0” Level (VoL)	**VDC**	-	-	Vdd-1.62
“1” Level	**VDC**	Vdd-1.025	-	-
Symmetry (TW/T*100%) Duty Cycle	**%**	40%	-	60%
Rise Time (10%->90% VDD)	**nSec**	-	-	0.6
Fall Time (90%->10% VDD)	**nSec**	-	-	0.6
Enable/Disable Function		PIN#2: High or Open, PIN#4:Enable PIN#2: Low, PIN#4:Disable		
Package size		SMD7.0x5.0x1.8mm		

#Note 1: referred to 25 degC over temperature ranger.

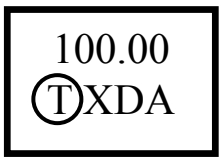
Mechanical Dimensions (mm):



Note:

1. All unit in mm
2. Pin #1 : Voltage control Pin #2 : OE
   Pin #3 : GND Pin #4 : Qbar
   Pin #5 : N/A Pin #6 : VDD

Marking:



Line 1: Frequency (100.00)
Line 2: ⓉXDA (TST logo + Product Code + Data Code + TST Internal Code)

1. Product Code Table:

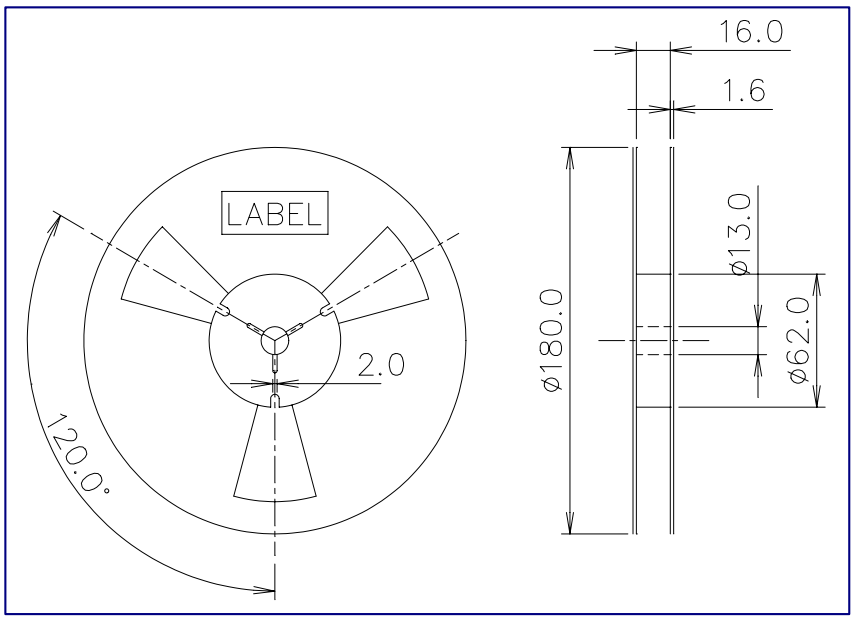
Year	2001 2005	2002 2006	2003 2007	2004 2008
Product Code	X	x	X	x

2. Date Code Table:

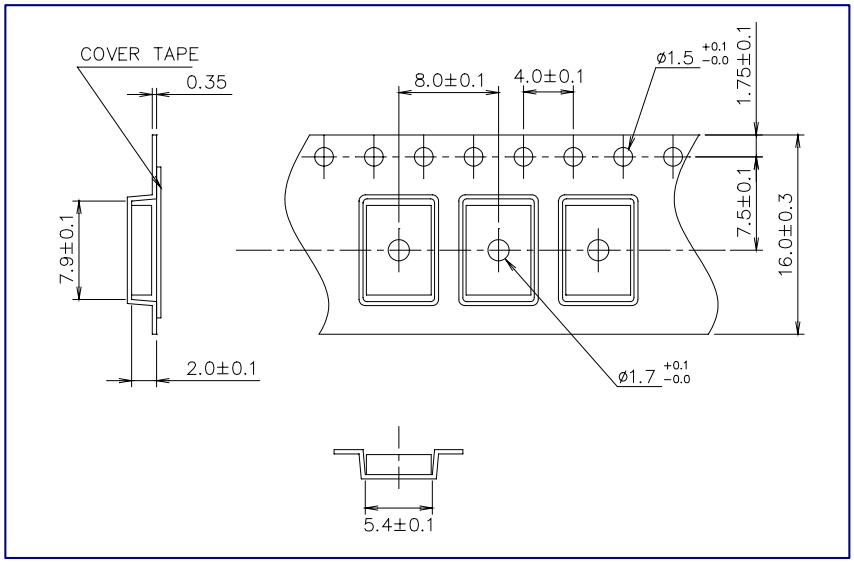
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45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

Tape & Reel: Packing Quantity: 1k /Reel

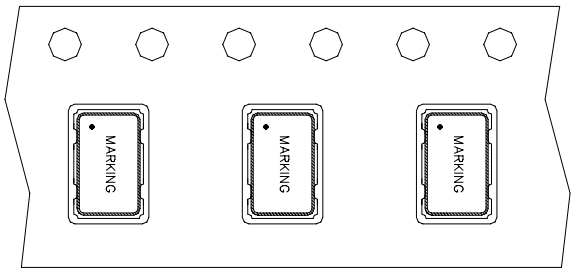
REEL DIMENSION (unit: mm)



TAPE DIMENSION (unit: mm)



PACKING DIRECTION



Soldering Reflow Profile:

