



TAI-SAW TECHNOLOGY CO., LTD.

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

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Product Specifications Approval Sheet

Product Description: VCXO SMD 7.0x5.0 61.44MHz

TST Part No.: TX0582A

Customer Part No.: _____

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Ginger Huang *Ginger Huang*

Approved by: _____ Kelly Huang *Kelly Huang*

Date: _____ 04/30/2013

1. Customer signed back is required before TST can proceed with sample build and receive orders.
2. Orders received without customer signed back will be regarded as agreement on the specifications.
3. Any specifications changes must be approved upon by both parties and a new revision of specifications shall be released to reflect the changes.



TAI-SAW TECHNOLOGY CO., LTD.
SMD 7.0x5.0 61.44MHz VCXO

MODEL NO.: TX0582A

REV. NO.: 1.0

Revise:

Rev.	Rev. Page	Rev. Account	Date	Ref. No.	Reviser
1.0	N/A	Initial release	04/30/13'	N/A	Ginger Huang



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7.0x5.0 VCXO 61.44 MHz

MODEL NO.: TX0582A

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Features:

1. 3.3V Operation / Complementary CMOS Output
2. Enable / Disable 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

RoHS Compliant
Lead free
Lead-free soldering

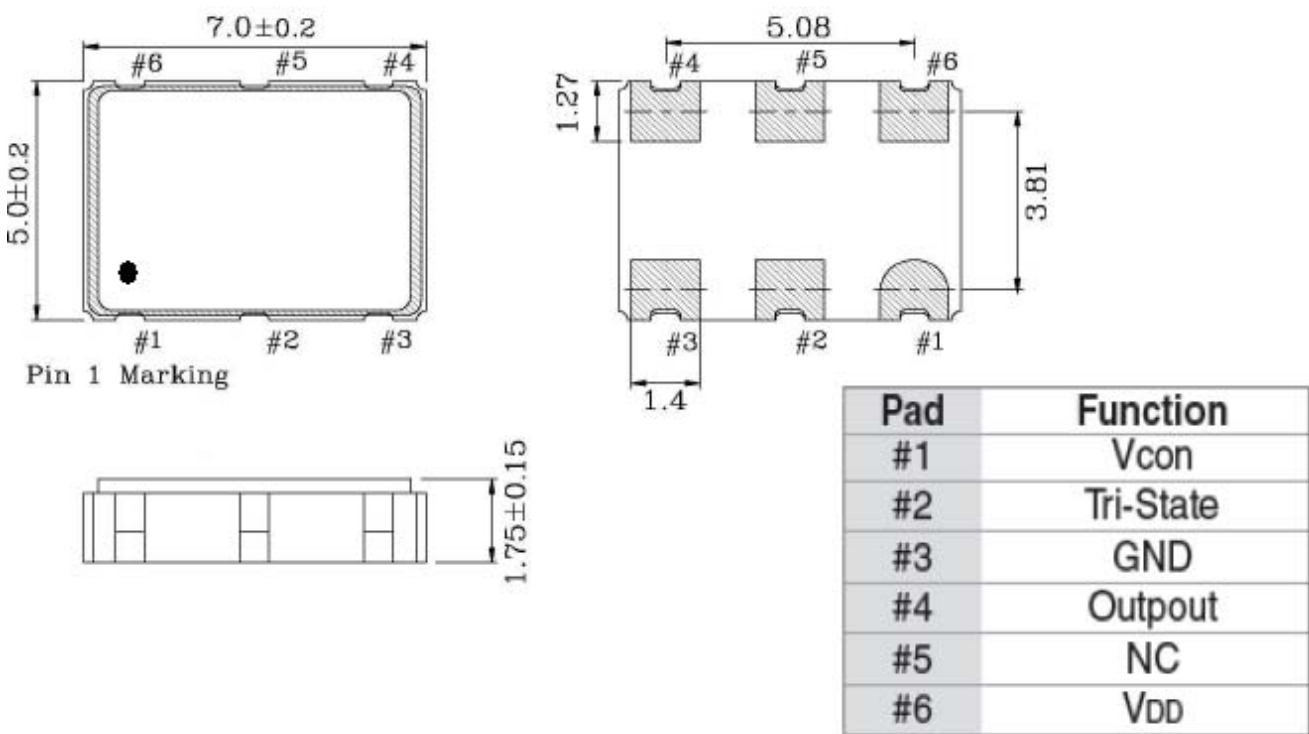
Electrical Specifications:

Characteristics	Units	Minimum	Typical	Maximum
Center Frequency	MHz		61.44	
Storage Temperature Range	°C	-55		125
Operating Temperature Range	°C	-40		85
Frequency Stability Operating Temperature Range	ppm	+/-50		
* Absolute Pulling Range (APR)	ppm	+/-50	-	-
Input Voltage (Operating Vdd)	VDC	-	3.3+/-10%	-
Control Voltage (Vt)	VDC	0.3	-	3.0
Current Consumption	mA	-	-	30
Output	CMOS			
Load	ohm	-	15	-
"0" Level (Output Logic Low)	VDC	-	-	10%VDD
"1" Level (Output Logic High)	VDC	90%VDD	-	-
Duty Cycle	%	45%	-	55%
Rise Time (10%->90% VDD)	nSec	-	-	3.0
Fall Time (90%->10% VDD)	nSec	-	-	3.0
Start-up Time	mSec	-	-	5.0
Enable (High Voltage)	V	0.7VDD	-	-
Disable (Low Voltage)	V	-	-	0.3VDD
Phase Jitter (Integrated 12K~20MHz)	pSec	-	-	1.0
Absolute Clock Period Jitter	pSec	-	-	40
Linearity	%	-	-	10
Modulation Bandwidth(BW)	KHz	15	-	-
Input Impedance	KΩ	2000	-	-

Aging (@25°C 1 st year)	ppm	-	-	+/-3.0
Phase Noise 100Hz	dBc/Hz	-	-	-100
1KHz		-	-	-125
10KHz		-	-	-140
Enable/Disable Function		PIN#2: High or Open , PIN#4, #5: Enable PIN#2: Low , PIN#4, #5: Disable		
Package size		SMD7.0x5.0x1.6mm		

* Note1 : APR=Pull Range-(frequency tolerance at 25 ,variation over temperature, supply voltage and aging)

Mechanical Dimensions (mm):



Marking:

Line 1 : Frequency (61.440)

Line 2 : $\text{\textcircled{T}}$ XDAX (TST logo + Product Code + Data Code + Traceability Code)



Product Code Table

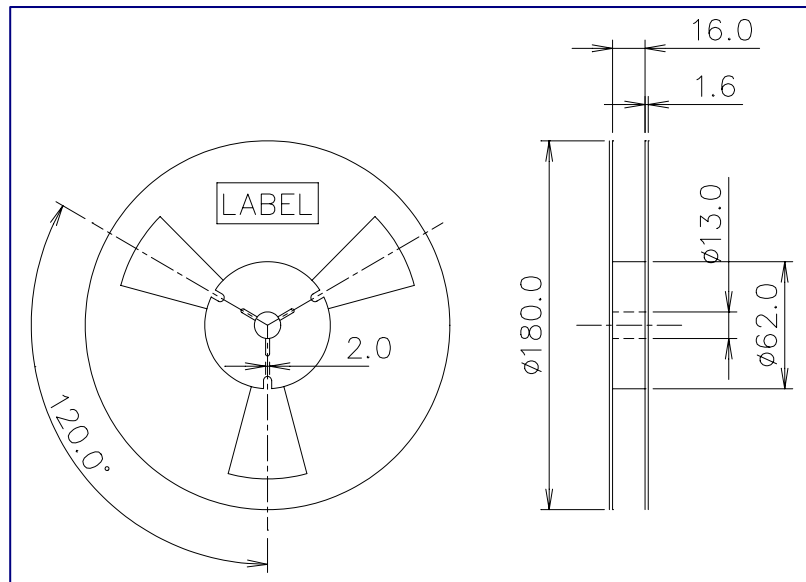
Year	2009	2010	2011	2012
	2013	2014	2015	2016
	2017	2018	2019	2020
product code	X	x	<u>X</u>	<u>x</u>

Date Code Table

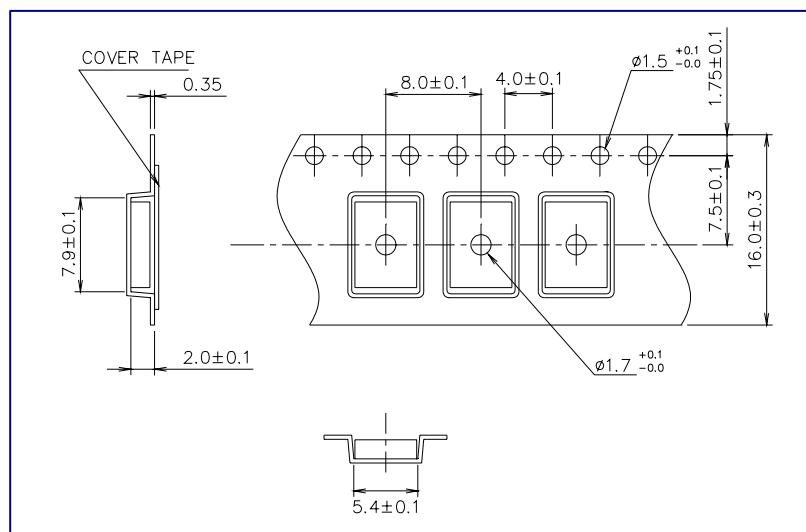
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45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

Tape & Reel:

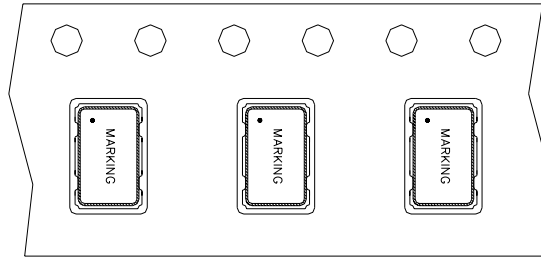
- Reel dimension (unit: mm)



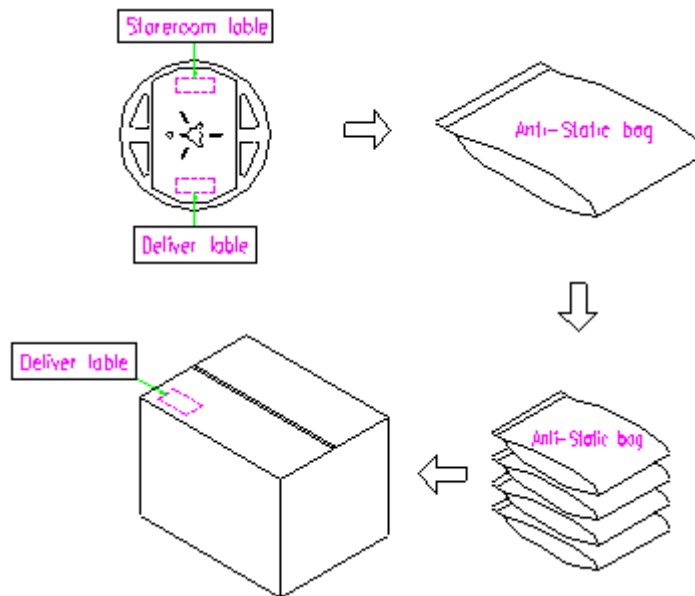
- Tape dimension (unit: mm)



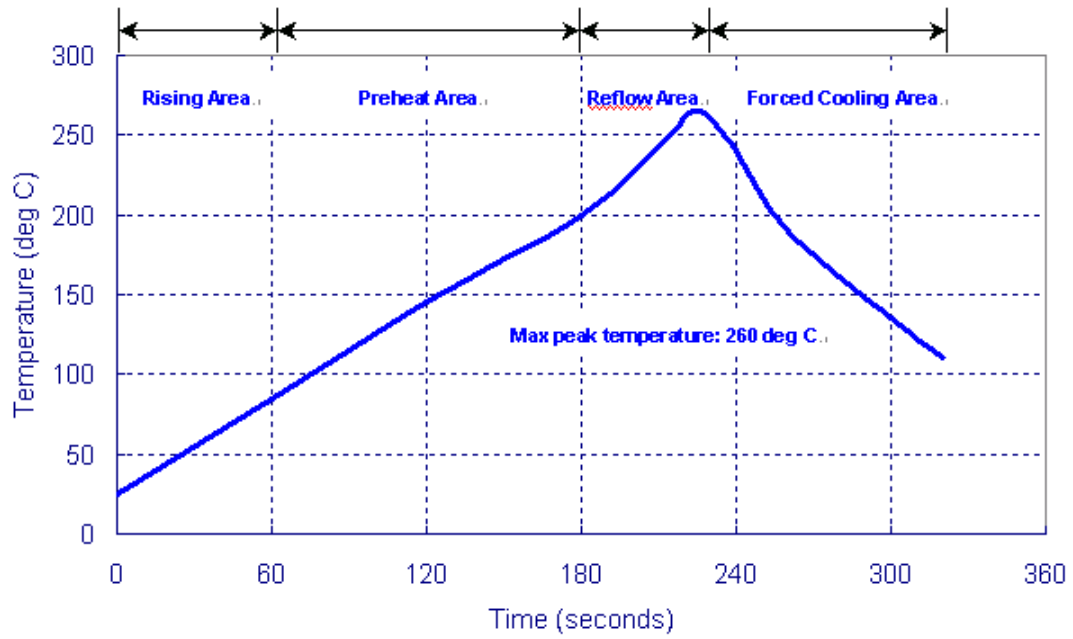
■ Packing direction



Packing Quantity/Packing:
1K pcs maximum per reel



Reflow Profile:



- Note:**
1. Max peak temperature: 260+/-5 deg C; Time: 10+/-2 sec
 2. Temperature: 217+/-5 deg C; Time: 90~100 sec

