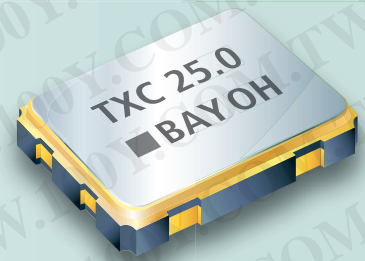




SMD Crystal Oscillators- CMOS Output 5.0 x 3.2 x 1.2 mm 7C Series

Features

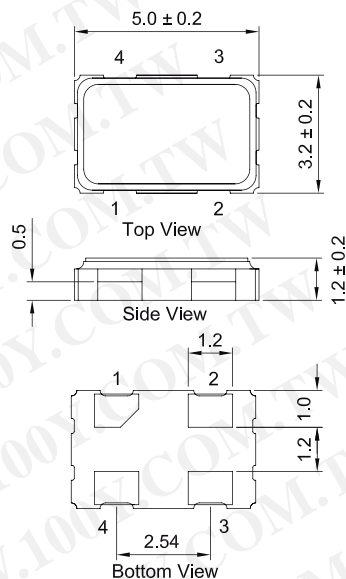
- Small SMD seam sealed clock crystal oscillator units.
- High precision characteristic covering up to wide frequency range.
- Designed for automatic mounting and reflow soldering.
- Tri-State function available.
- Supply voltage range : 1.8 V ~ 5.0 V.
- High stability, low jitter, low power consumption.
- Main application : wireless communication set, PDA, and DSC.
- RoHS Compliant / Pb Free.



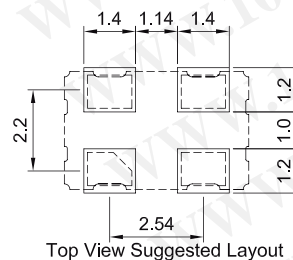
Electrical Specifications

Item / Type	7C			
Output Type	CMOS			
Output Load	15 pF , 30 pF			
Oscillation Mode	Fundamental / 3rd Overtone			
Supply Voltage	1.8 V	2.5 V , 2.8 V , 3.3 V	5 V	
Frequency Range	1 ~ 150 MHz			
Frequency Stability	± 20 ppm , ± 25 ppm , ± 30 ppm , ± 50 ppm			
Operating Temperature Range	- 10 ~ + 70 °C , - 40 ~ + 85 °C			
Storage Temperature Range	- 55 ~ + 125 °C			
Voltage Vol (Max.) / Voh (Min.)	0.1 VDD / 0.9 VDD			
Rise (Tr) / Fall (Tf) Time	8 ns Max.			
Current Consumption	1-75 MHz	5 mA Max.	10 mA Max.	20 mA Max.
	75-150 MHz	15 mA Max.	20 mA Max.	NA
Symmetry	40 ~ 60 %			
Start-up Time	5 ms Max.			
Phase Jitter (12 KHz ~ 20 MHz)	1 ps Max.			
Aging (at 25 °C)	± 3 ppm / year Max.			

Dimensions



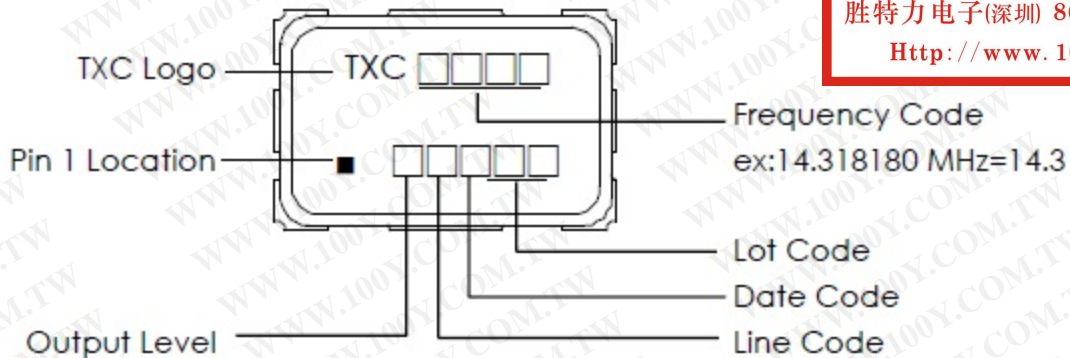
PAD FUNCTION:
 1: ENABLE CONTROL
 2: GND
 3: OUT
 4: VDD



Units: mm

MARKING

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)



Output Level:

VDD	5.0V	3.3V	2.8V	2.5V	1.8V	2.9V	3.0V	2.85V	2.6V
CODE	A	B	C	D	E	F	G	H	J

Date Code:

YEAR \ MONTH				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
				A	B	C	D	E	F	G	H	J	K	L	M
2005	2009	2013	2017	N	P	Q	R	S	T	U	V	W	X	Y	Z
2006	2010	2014	2018	a	b	c	d	e	f	g	h	j	k	l	m
2007	2011	2015	2019	n	p	q	r	s	t	u	v	w	x	y	z
2008	2012	2016	2020												

*This date code will be cycled every four years

Production location: Taiwan