

# SX7KL

## 32.768 kHz SURFACE MOUNT CRYSTAL CLOCK OSCILLATOR

### FEATURES

- High Stability
- AT-cut crystal built-in
- Low power consumption of 65 µA (typ.)
- Supply voltage as wide as +1.8V to 5.0V
- Applications: Portable electronics, ....

7.0 x 5.0 x 1.5 mm



Item	Specification
Frequency Range	32.768 kHz
Output Logic	CMOS
Overall Frequency Stability *	± 20 ppm typ. ~ ± 25 ppm max
Operating Temperature Range	-40 ~ +85°C
Supply Voltage Vdd	+1.8V ±5%      +2.5V ±5%      +3.0V ±5%      +3.3V ±5%      +5.0V ±5%
Supply Current Idd	65µA typ.
Output Level	VOH ≥ 0.9 Vdd                                  VOL ≤ 0.1Vdd
Output Load	30 pF
Symmetry	45 / 55 %
Rise Time / Fall Time Fr/Ff	12 ns max.
Tri-state function	pin #1 = high or open                                  pin #3 ==> oscillation pin #1 = low    pin #3 ==> high impedance
Start-up Time	1 ms max.
Packing Unit	3000pcs / reel
Soldering Condition	260°C , 10 sec x2 max

**Customer specifications on request**

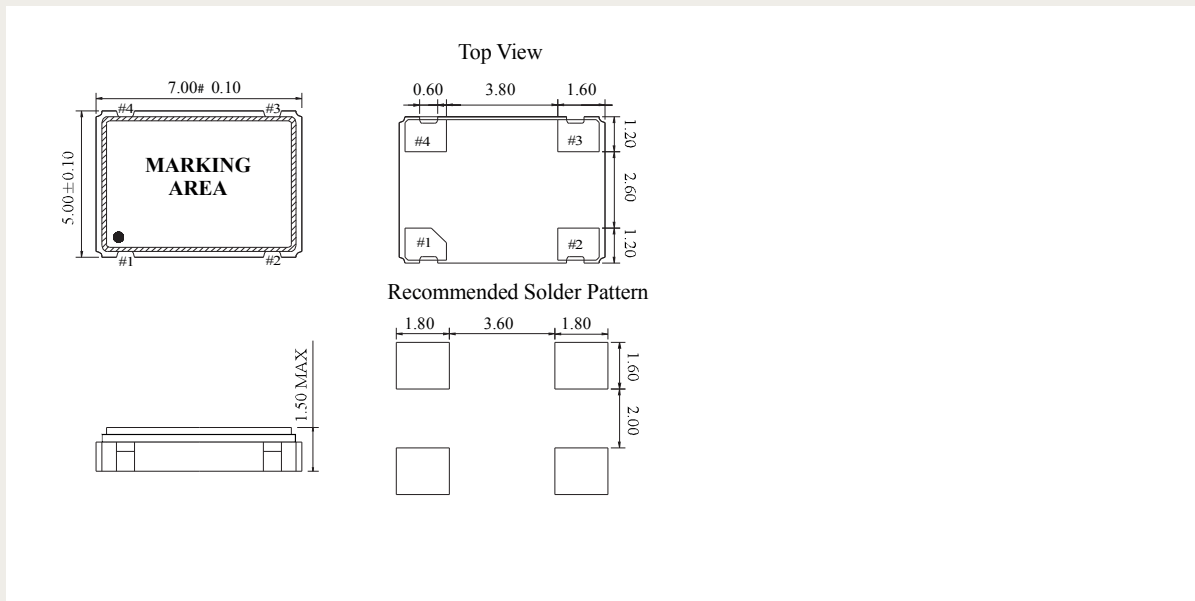
(\*) Includes initial tolerance @+25°C , stability over operating temperature, stability vs. load change, stability vs. supply change and one year aging

### OPTIONS & ORDERING INFORMATION

SX7KL	.....	.....	.....	.....	.....	..... -	32.768 kHz
Supply Voltage	Operating Temp. *	Overall Stability *	Tri-state Function	Output Load *			Frequency in kHz
18 = +1.8V	K = -40° / +85°C	20 = ±20 ppm	E = Tri-state	H = 30 pF			
25 = +2.5V		25 = ±25 ppm					
30 = +3.0V		30 = ±30 ppm					
33 = +3.3V							
50 = +5.0V							

(\*) Note : Not all combinations are possible , please consult us.

# OUTLINE DIMENSIONS



<b>Pin Connections</b>	#1 : E/D	#2 : GND	#3: Output	#4 : Vdd
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