

Datasheet

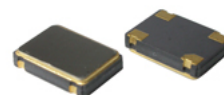
SX2KL

32.768 kHz SURFACE MOUNT CLOCK OSCILLATOR

FEATURES

2.5 x 2.0 x 0.8 mm

- Ultra-miniature package
- High shock/vibration resistance (semi-conductor process)
- Extend temperature range available, very quick start-up
- Custom make Frequency 0.5 Hz to 500 MHz
- Applications: Portable electronics,...



Item	Specification	
Frequency Range	32.768 kHz (please consult factory for custom make frequency 0.5 Hz - 500 MHz)	
Output Logic	CMOS	
Overall Frequency Stability *	± 200 ppm typ . ~ ± 500 ppm max	
Operating Temperature Range	-20 ~ +70°C	
Supply Voltage Vdd	+3.3V ±5%	
Supply Current Idd	15 µA max	
Output Level	VOH ≥ 0.9 Vdd	VOL ≤ 0.1 Vdd
Output Load	15 pF	
Symmetry	45 / 55 %	
Rise Time / Fall Time Fr/Ff	20 ns max	
Tri-state function	pin #1 = high or open pin #1 = low	pin #3 ==> oscillation pin #3 ==> high impedance
Start-up Time	1 ms max.	
Shock resistance	20000GS	
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

SX2KL

Supply Voltage	Operating Temp.	Overall Stability	Tri-state Function	Output Load	Frequency in kHz
33 = +3.3V	F = -20° / +70°C	200 = ±200 ppm	E = Tri-state	Blanc = 15 pF	32.768 kHz

Rev. 09-2012

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OUTLINE DIMENSIONS

