

SX5K

32.768 kHz SURFACE MOUNT CRYSTAL CLOCK OSCILLATOR

FEATURES

- Miniature package
- Low current consumption
- Extend temperature range available
- Applications: Wireless LAN, Bluetooth and mobile communication,...

5.0 x 3.2 x 1.3 mm



Item	Specification
Frequency Range	32.768 kHz
Output Logic	CMOS
Overall Frequency Stability *	± 20 ppm ~ ± 100 ppm (see options)
Operating Temperature Range	0 ~ +70 °C commercial application (see options) -40 ~ +85 °C industrial application (see options)
Supply Voltage Vdd	+1.8V ±5% +2.5V ±5% +3.3V ±5% +5.0V ±5%
Supply Current Idd	0.6 mA max 0.6 mA max 1.0 mA max 1.0 mA max
Output Level	VOH ≥ 0.9 Vdd VOL ≤ 0.1 Vdd
Output Load	15 pF
Symmetry	45 / 55 %
Rise Time / Fall Time Fr/Ff	6 ns max
Tri-state function	pin #1 = high or open pin #3 ==> oscillation pin #1 = low pin #3 ==> high impedance
Start-up Time	10 ms max.
Packing Unit	1000pcs / reel
Soldering Condition	260 °C, 10 sec x2 max
	Customer specifications on request

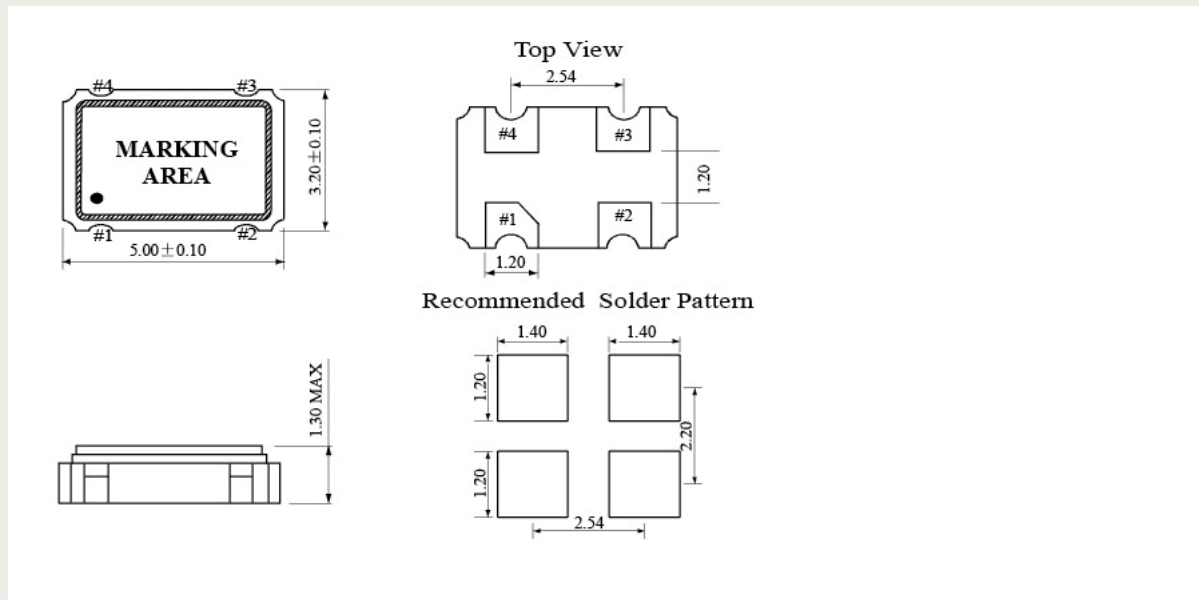
(*) Includes initial tolerance @+25°C , stability over operating temperature, stability vs. load change, stability vs. supply change and one year aging

OPTIONS & ORDERING INFORMATION

SX5K	32.768 kHz
	Supply Voltage	Operating Temp. *	Overall Stability *	Tri-state Function	Output Load *	Frequency in kHz
	18 = +1.8V	D = -10° / +60°C	20 = ±20 ppm	E = Tri-state	Blanc = 15 pF	
	25 = +2.5V	E = 0° / +70°C	25 = ±25 ppm			
	33 = +3.3V	F = -20° / +70°C	30 = ±30 ppm			
	50 = +5.0V	G = -30° / +75°C	50 = ±50 ppm			
		H = -30° / +85°C	100 = ±100 ppm			
		K = -40° / +85°C				

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

OUTLINE DIMENSIONS



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