Frequency Technology

SX2K

32.768 kHz SURFACE MOUNT CRYSTAL CLOCK OSCILLATOR

Frequency Technology

FEATURES

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





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	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 #1 = low		pin #3 ==> pin #3 ==>	oscillation high impedance			
Start-up Time	35 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

SX2K						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							
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(*) Note : Not all combinations are possible , please consult us.







OUTLINE DIMENSIONS







