

SX3KF

32.768 kHz SURFACE MOUNT CRYSTAL CLOCK OSCILLATOR

FEATURES

- Ultra Miniature package , 3.2x2.5mm
- Featured by tuning fork crystal
- Ultra low μA current consumption

3.2 x 2.5 x 1.2 mm



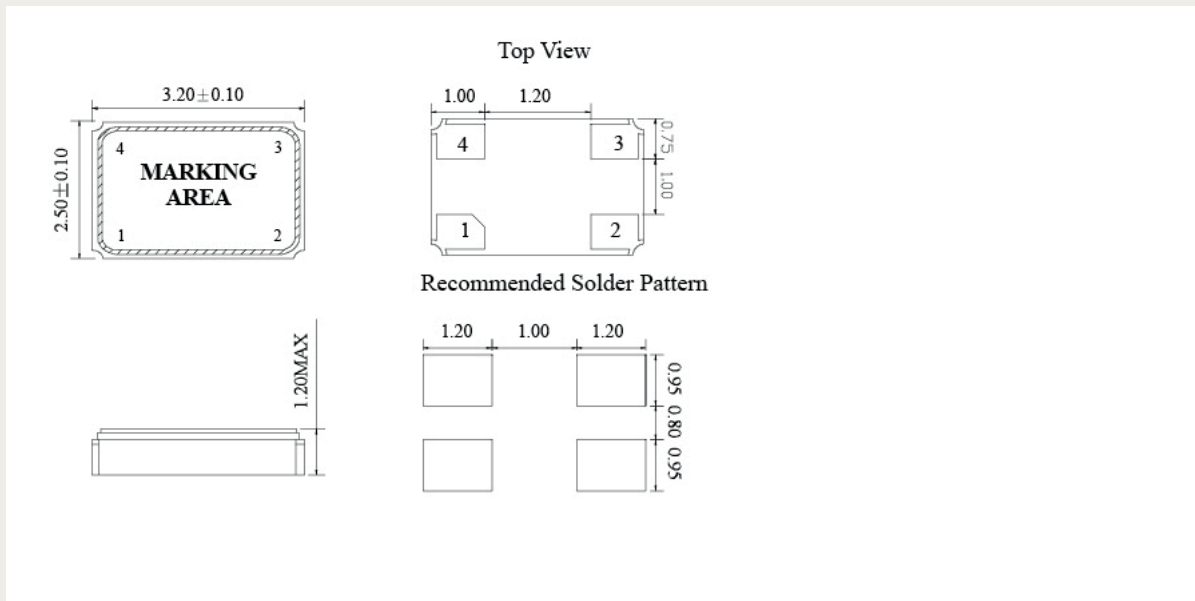
Item	Specification
Frequency Range	32.768 kHz
Output Logic	CMOS
Frequency tolerance	+ 30 ppm ~ - 10 ppm
Frequency stability	+10 ppm to -120 ppm (-20°C to +70°C) +10 ppm to -150 ppm (-40°C to +85°C)
Frequency vs. Supply voltage change	± 0.5 ppm max. (Vdd = +1.5V to +5.5V)
Operating Temperature Range	-40°C to +85°C
Supply Voltage Vdd	+1.5V to +5.5V
Supply Current Idd	1.5 μA max at Vdd +3.3V
Output Level	VOH ≥ 0.9 Vdd VOL ≤ 0.1 Vdd
Output Load	15 pF
Symmetry	40 / 60 %
Rise Time / Fall Time Fr/Ff	200 ns max
Tri-state function	pin #1 = high or open pin #3 ==> oscillation pin #1 = low pin #3 ==> high impedance
Start-up Time	1 sec. max.
Aging	± 5 ppm max for first year
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

Supply Voltage	Operating Temp.	Tri-state Function	Output Load	Frequency in kHz
E15 = +1.5V to 5.5V	K = -40° / +85°C	E = Tri-state	H = 30 pF	32.768 kHz

OUTLINE DIMENSIONS



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