

SX2C

HCMOS SURFACE MOUNT CRYSTAL CLOCK OSCILLATOR

FEATURES

- Ultra-miniature package
- High shock and vibrational resistivity
- Applications: Telecommunications, Portable electronics, IoT, ...

2.5 x 2.0 x 0.9 mm



Item	Specification
Frequency Range	156 kHz ~ 133.0 MHz
Output Signal	CMOS
Overall Frequency Stability *	± 10 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	+1.0V ±5% +1.2V ±5% +1.5V ±5% +1.8V ±5% +2.5V ±5% +1.8V ~ 3.3V ±10% +3.3V ±10%
Supply Current Idd	1 mA ~ 2 mA 4 mA ~ 10 mA 4 mA ~ 12 mA 5 mA ~ 20 mA 5 mA ~ 25 mA 5 mA ~ 30 mA
Output Level	VOH ≥ 0.9 Vdd VOL ≤ 0.1 Vdd
Output Load	15 pF
Symmetry	45 / 55 %
Rise / Fall time Fr/Ff	2 ~ 10 ns
Tri-state function	pin #1 = high or open pin #3 = oscillation pin #1 = low pin #3 = disable
Standby current	10 µA max
Start-up Time	5 ms max.
RMS Jitter (12 kHz to 20 MHz band)	1 ps 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

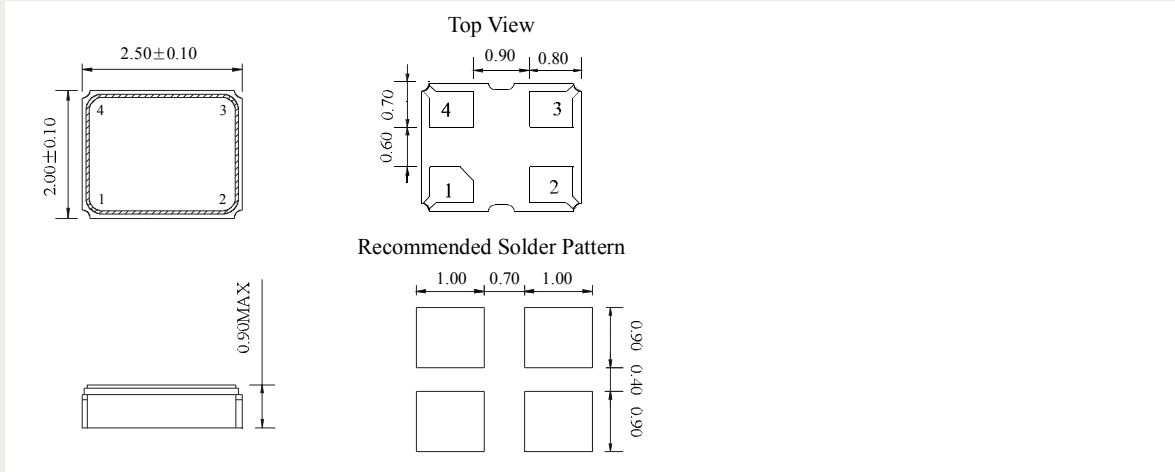
OPTIONS & ORDERING INFORMATION

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..... MHz
Supply Voltage	Operating Temp. *	Overall Stability *	Tri-state Function	Output Load *	Frequency in MHz
10 = +1.0V	D = -10° / +60°C	10 = ±10 ppm	E = Tri-state	Blanc = 15 pF	Please specify the frequency in MHz
12 = +1.2V	E = 0° / +70°C	15 = ±15 ppm			
15 = +1.5V	F = -20° / +70°C	20 = ±20 ppm			
18 = +1.8V	H = -30° / +85°C	25 = ±25 ppm			
25 = +2.5V	K = -40° / +85°C	30 = ±30 ppm			
1V3 = +1.8V ~+3.3V	L = -40° / +105°C	50 = ±50 ppm			
33 = +3.3V		100 = ±100 ppm			

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

OUTLINE DIMENSIONS



Pin Connections

#1 : E/D

#2 : GND

#3: Output

#4 : Vcc