

Datasheet

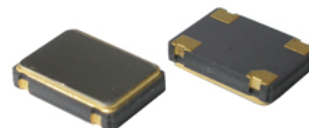
SX5CG

HCMOS SURFACE MOUNT CRYSTAL CLOCK OSCILLATOR

FEATURES

5.0 x 3.2 x 1.05 mm

- Miniature package
- Industrial grade tight temperature stability available (+ -10 ppm -40/+85°C)
- Low phase noise and jitter
- Applications: Wireless LAN, Home networking, mobile communications, ...



Item	Specification
Frequency Range	2.5 MHz ~ 55.0 MHz
Output Logic	CMOS
Overall Frequency Stability *	± 10 ppm ~ ± 20 ppm (see options)
Operating Temperature Range	-40° ~ +85°C
Supply Voltage Vdd	+1.8V ±5% +2.5V ±5% +2.8V ±5% +3.0V ±5% +3.3V ±5%
Supply Current Idd	7 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	5 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.
RMS Jitter (12 kHz to 20 MHz band)	1 ps max.
Phase Noise	-150 dBc/Hz typ. at 10 kHz offset
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

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..... MHz
Supply Voltage *	Operating Temp. *	Overall Stability *	Tri-state Function	Output Load *	Frequency in MHz
18 = +1.8V	K = -40° / +85°C	10 = ±10 ppm	E = Tri-state	Blanc = 15 pF	Please specify the frequency in MHz
25 = +2.5V		15 = ±15 ppm			
28 = +2.8V		20 = ±20 ppm			
30 = +3.0V					
33 = +3.3V					

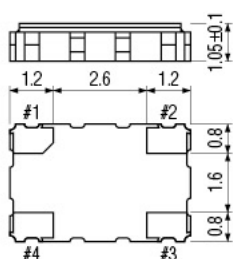
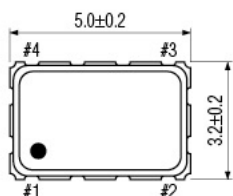
* Note : Not all combinations are possible, please consult us.

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OUTLINE DIMENSIONS



Pin Connections

#1 : E/D

#2 : GND

#3: Output

#4 : Vdd