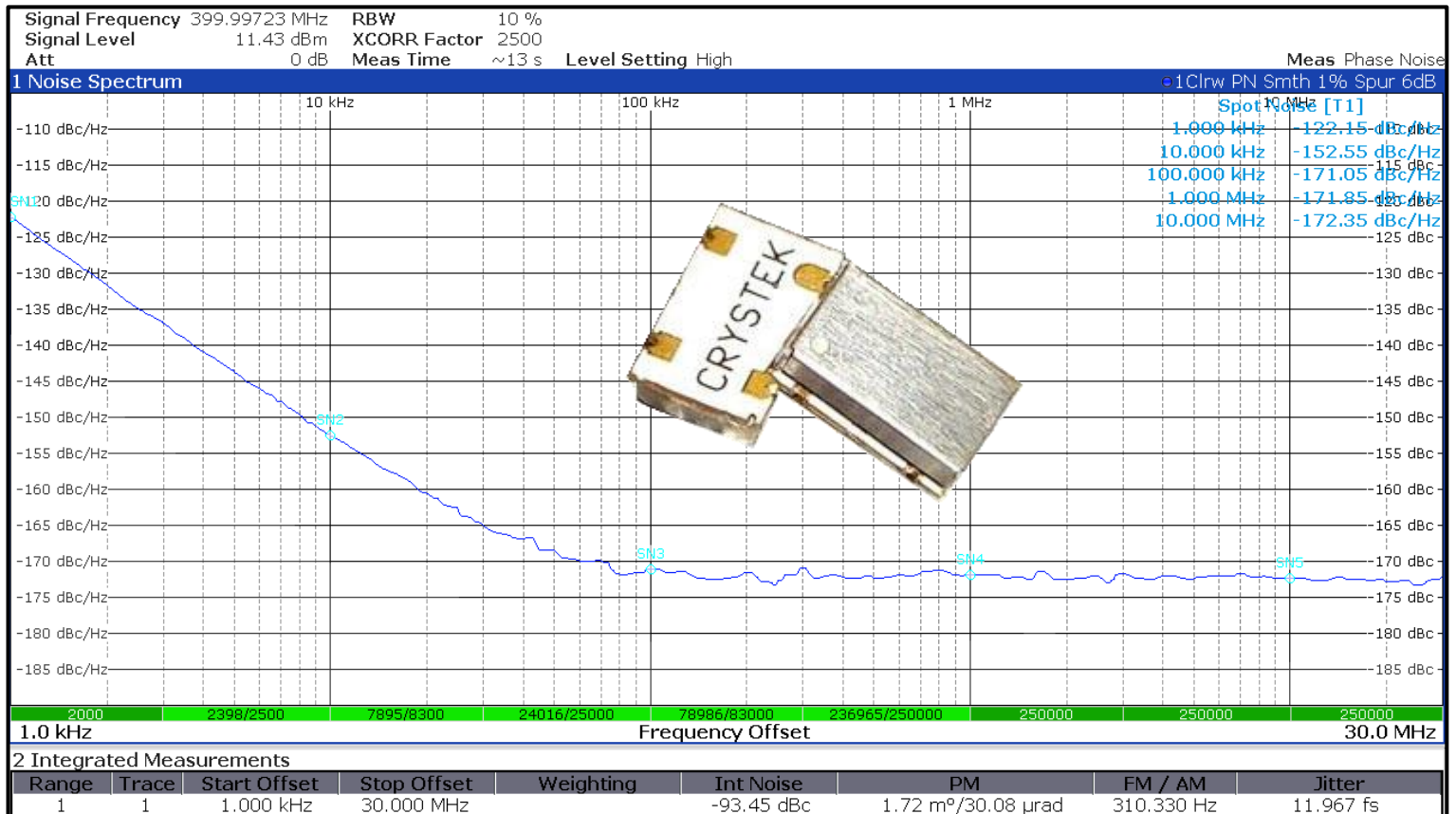


CCS575S Model
5x7.5 mm SMD, 3.3V/5.0V, Sinewave



Model CCS575S is a Sinewave SAW(surface acoustic wave) based Clock Oscillator. It is an ideal choice for applications requiring Low Phase Noise and Jitter source.

It is housed in the industry standard 5x7.5x2.5mm SMD package.

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CCS575S Model

5x7.5 mm SMD, 3.3V/5.0V, Sinewave



Frequency Range: 315 MHz to 1000 MHz
Frequency Stability: ±150ppm Max
Temperature Range: -20°C to +70°C
Input Voltage: 3.3V ±5%
M5 Option: 5.0V ±5%
Input Current: 35mA Max
Output Waveform: Sinewave
Output Power: (3.3V) +5dBm Min into 50 ohm load
 (5.0V) +10dBm Min into 50 ohm load

2nd Harmonic: -10dBc Typical
Sub-Harmonics: None
Phase Noise Typical: See plots

Crystek Part Number Guide

CCS575S - M5 - 500.000

#1 #2 #3

#1 Crystek SAW Clock Oscillator
 #2 Blank = 3.3V, M5=5.0V
 #3 Frequency in MHz: 3 or 6 decimal places

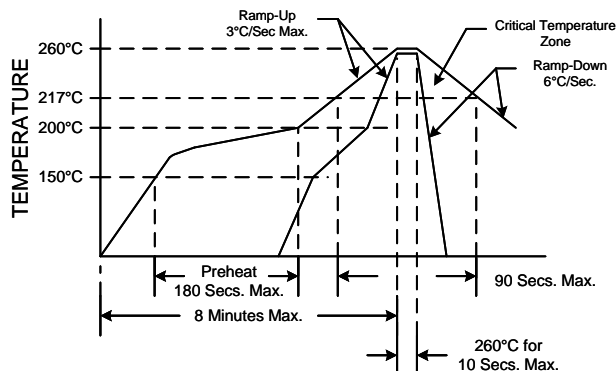
Available
Frequencies

400.000 MHz
 500.000 MHz
 1000.000 MHz

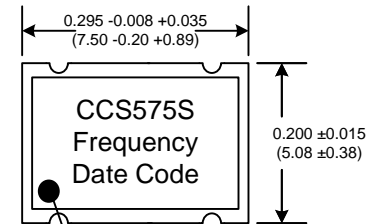
Table 1

Parameter	Conditions
Mechanical Shock	MIL-STD-883, Method 2002
Mechanical Vibration	MIL-STD-883, Method 2007
Solderability	MIL-STD-883, Method 2003
Resistance to Solvents	MIL-STD-883, Method 2015

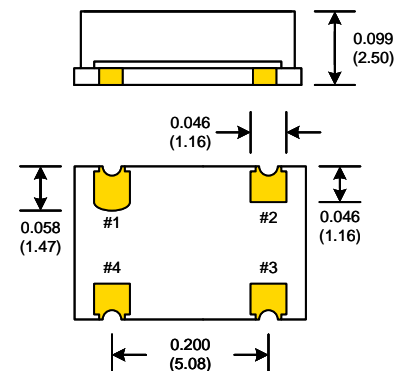
RECOMMENDED REFLOW SOLDERING PROFILE



NOTE: Reflow Profile with 240°C peak also acceptable.



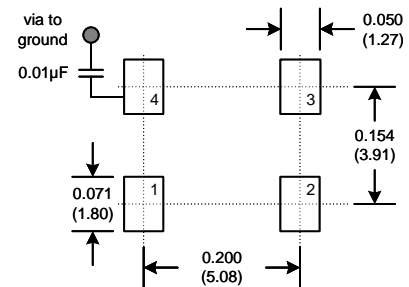
Denotes pad 1



PAD FINISH: Immersion Gold (ENIG); 5 micro inches maximum

PIN	Connection
1	N/C
2	GND
3	Output
4	Vcc

SUGGESTED PAD LAYOUT



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