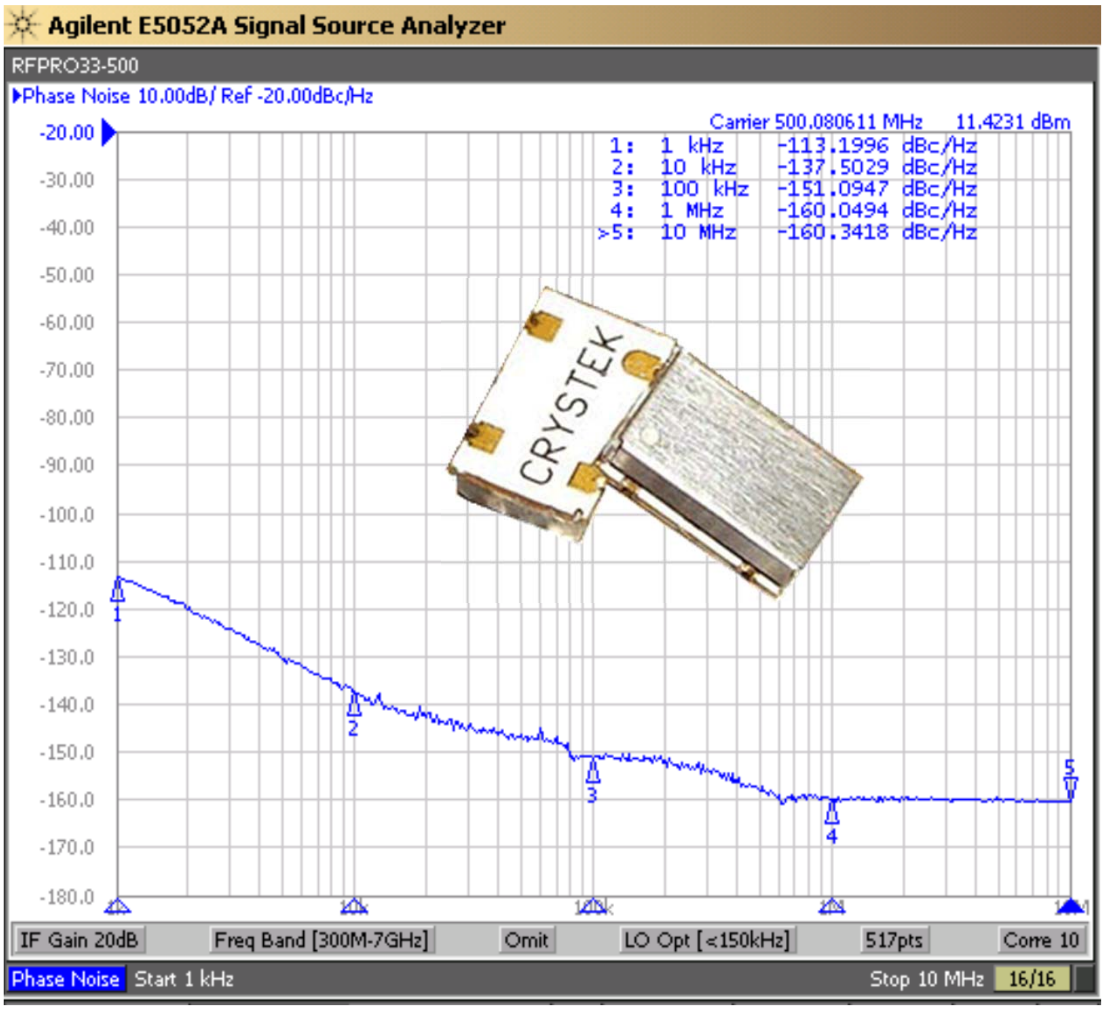
CRYSTEK CRYSTALS
A DIVISION OF CRYSTEK CORPORATION

CCS575S
SAW Clock Oscillator

CCS575S Model
5×7.5 mm SMD, **3.3V, True Sinewave**

RoHS Compliant



Model CCS575S is a True 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 5×7.5×2.5mm SMD package.

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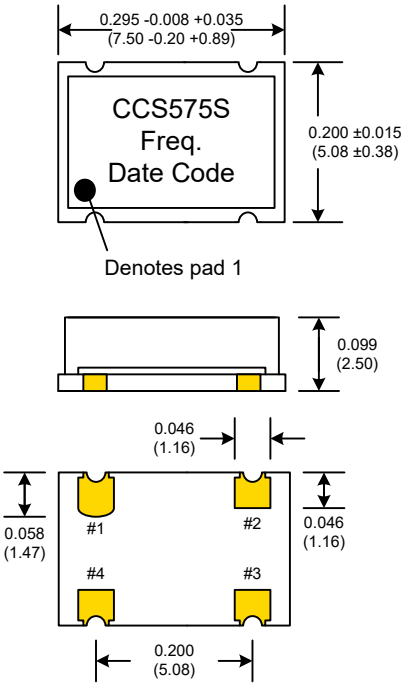
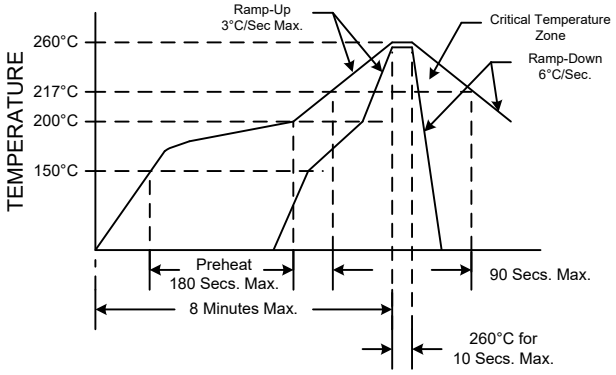
Performance Specification	MIN	TYP	MAX	UNITS
Nominal Frequency: *Customer Specified*	315		1000	MHz
Frequency Stability:	-150		+150	ppm
Output Phase Noise:				
@1kHz Offset		-113		dBc/Hz
@10kHz Offset		-137		dBc/Hz
@100kHz Offset		-151		dBc/Hz
@1MHz Offset		-160		dBc/Hz
@10MHz Offset		-160		dBc/Hz
Jitter: 12kHz-20MHz			1	pS, RMS
2nd Harmonic		-14	-10	dBc
Sub-Harmonics		none		dBc
Output Power into 50 Ω Load:	+7			dBm
Supply Voltage:	3.15	3.30	3.45	V
Supply Current, Icc:		20	25	mA
Start-Up Time:		2	10	mSec
Operating Temperature:	-20		+70	°C
Storage Temperature:	-45		+90	°C



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

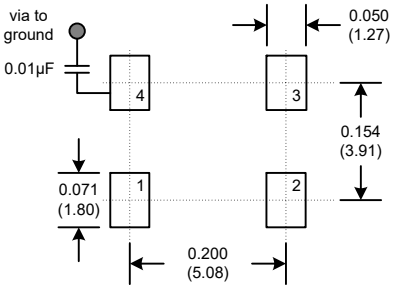
PIN	Connection
1	N/C
2	GND
3	Output
4	Vcc

RECOMMENDED REFLOW SOLDERING PROFILE



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

SUGGESTED PAD LAYOUT



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Specifications subject to change without notice.

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