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

Performance Specification | MIN | TYP | MAX | UNITS
--- | --- | --- | --- | ---
Nominal Frequency: Customer Specified | 315 | 1000 | MHz | MHz
Frequency Stability: | -150 | +150 | ppm | ppm
Output Phase Noise: |
@1kHz Offset | -113 | dBC/Hz | dBC/Hz |
@10kHz Offset | -137 | dBC/Hz | dBC/Hz |
@100kHz Offset | -151 | dBC/Hz | dBC/Hz |
@1MHz Offset | -160 | dBC/Hz | dBC/Hz |
@10MHz Offset | -160 | dBC/Hz | dBC/Hz |
Jitter: 12kHz-20MHz | 1 | pS, RMS | pS, RMS |
2nd Harmonic | -14 | -7 | dBC | dBC
Sub-Harmonics | none | none | dBC |
Output Power into 50 Ω Load: | +7 | dBm | dBm |
Supply Voltage: | 3.15 | 3.30 | 3.45 | V | V |
Supply Current, Icc: | 20 | 30 | mA | mA |
Start-Up Time: | 2 | 10 | mSec | mSec |
Operating Temperature: | -20 | +70 | °C | °C |
Storage Temperature: | -45 | +90 | °C | °C |

Parameter | Conditions
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Solderability | MIL-STD-883, Method 2003

RECOMMENDED REFLOW SOLDERING PROFILE

SUGGESTED PAD LAYOUT

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

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

Specifications subject to change without notice.