

SMD VOLTAGE CONTROLLED CRYSTAL OSCILLATORS

VC550



FEATURES

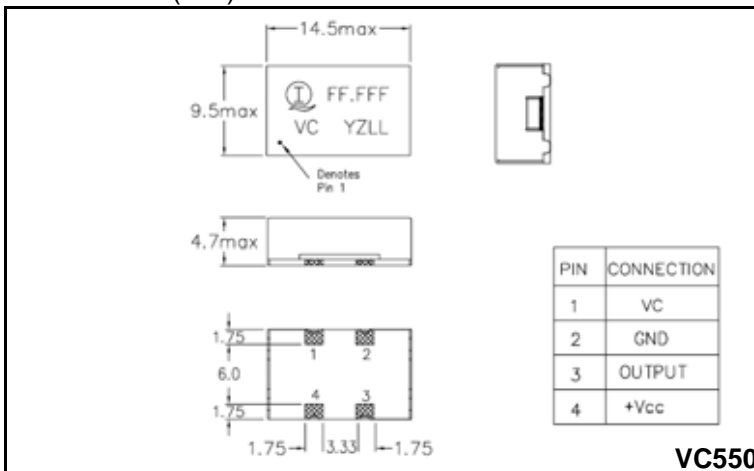
- Surface mount package
- Pick and place assembly
- Low cost to performance ratio



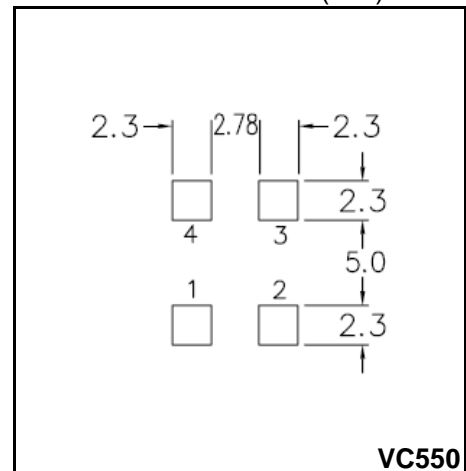
| Item | | Specifications |
|-----------------------------------|------------------|--|
| Nominal Frequency Range | | 1.0MHz ~ 40.0MHz |
| Frequency Stability | | ±25ppm, ±50ppm |
| Operating Temperature Range | | -10°C to 70°C, -40°C to 85°C |
| Storage Temperature Range | | -55°C to 125°C |
| Supply Voltage (V _{DD}) | | 3.3V±10%, 5.0V±10% |
| Current Consumption | 1.0MHz ~ 40.0MHz | 30mA Max. |
| Rise & Fall Time | 1.0MHz ~ 40.0MHz | 8ns Max. |
| Output Waveform | | CMOS, HCMOS |
| Symmetry | | 50% ± 10% |
| Absolute Pulling Range | | ±50ppm, ±100ppm |
| Nominal Control Voltage | | +1.6V ± 0.05V or +2.5V ± 0.05V |
| Control Voltage Range | | +1.6V ± 1.35V or +2.5V ± 2.0V |
| Output Voltage | V _{OH} | 2.4V _{DD} or 0.9V _{DD} |
| | V _{OL} | 0.4V _{DD} or 0.1V _{DD} |
| Output Current | | ±8mA Max. |
| Linearity | | ±10% |
| Slope | | Positive |
| Modulation Frequency Bandwidth | | 10KHz Min. |
| Input Impedance | | 10KΩ Min. |
| Phase Noise | 10Hz | -75dBc / Hz |
| | 10KHz | -145dBc / Hz |
| Start-up Time | | 10ms Max. |

Please consult our sales representatives for other specifications.

DIMENSION (mm)



SOLDERING PATTERN (mm)



All specifications are subject to change without notice.



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