



SURFACE MOUNT CRYSTAL UNIT

SPECIFICATIONS	CM200
Nominal Frequency	32.768 KHz
Frequency Tolerance	±30ppm @ 25°C
Turnover Temperature	25°C ±5°C
Parabolic Curvature Constant	-0.034 ±0.006 ppm/°C ²
Frequency Stability	±50ppm
Operating Temperature Range	-10°C to +60°C
Storage Temperature Range	-55°C to +125°C
Load Capacitance	12.5pF (standard)*
Equivalent Series Resistance	50K Ohms Maximum
Drive Level	1uW
Shunt Capacitance	1.35pF Typical
Motional Capacitance	3fF
Capacitance Ratio	450
Aging (First Year at 25±3°C)	±3ppm/year
Shock Resistance	±5ppm
Insulation Resistance	500MOhms min. at DC100±15V
Reflow Condition	240°C ±5°C , 10 seconds Maximum
Tape & Reel	Option
Hermeticity of Seal	1 × 10 ⁻² uPa · m ³ /sec.

* - Other CL values are available upon request
Note 1 - RoHS 5/6 Compliant

