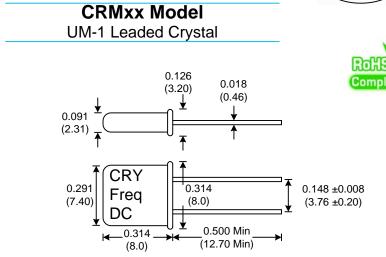


Dimensions inches (mm)

All dimensions are maximum unless otherwise specified



## Quartz Crystal

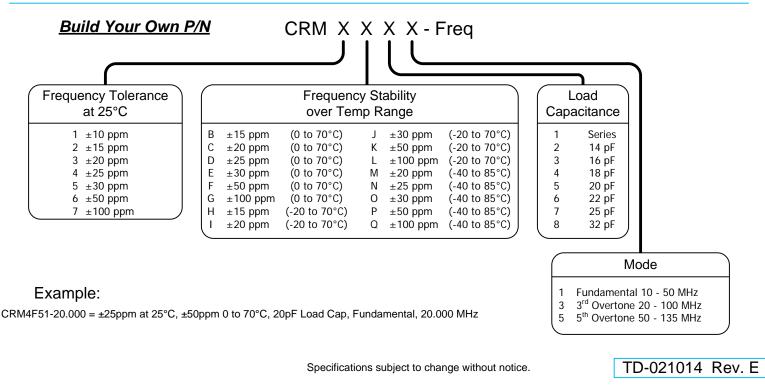


Designed to provide traditional crystal design flexibility of the HC49 in a smaller UM-1 package. Custom lead forming available for SMD applications.

Resistance at series resonance	
Freq. (MHz)	Max ESR
10.0 - 18.0	60
18.1 – 50.0 20.0 – 100.0	40 60
20.0 - 100.0 50.0 - 135.0	100

Table 1

Frequency Range: 10 MHz to 50 MHz (fund) 20 MHz to 100 MHz (3<sup>rd</sup> O/T) Storage Temp. range: -45°C to 90°C 50 MHz to 135 MHz (5<sup>th</sup> O/T) Shunt Capacitance: 7.0pF Max Calibration Tolerance: ±50ppm (Standard p/n) Drive level: 100uW Typical (Option) ±10ppm to ±100ppm ESR: See table 1 Frequency Stability: ±100ppm (Standard p/n) Aging: <3ppm 1<sup>st</sup> year Max (Option) ±15ppm to ±100ppm Insulation Resistance: 500 Megaohms Min at 100Vdc Operating Temp. range: 0°C to 70°C (Standard p/n) (Option) -20°C to 70°C (Option) -40°C to 85°C



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