

13.6 x 10.3 x 4.9mm Leaded Crystal

2.0MHz to 250.0MHz

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- Low-cost, industry-standard crystal unit
- Available to close tolerances
- Frequency range 2.0MHz to 250MHz
- Package options



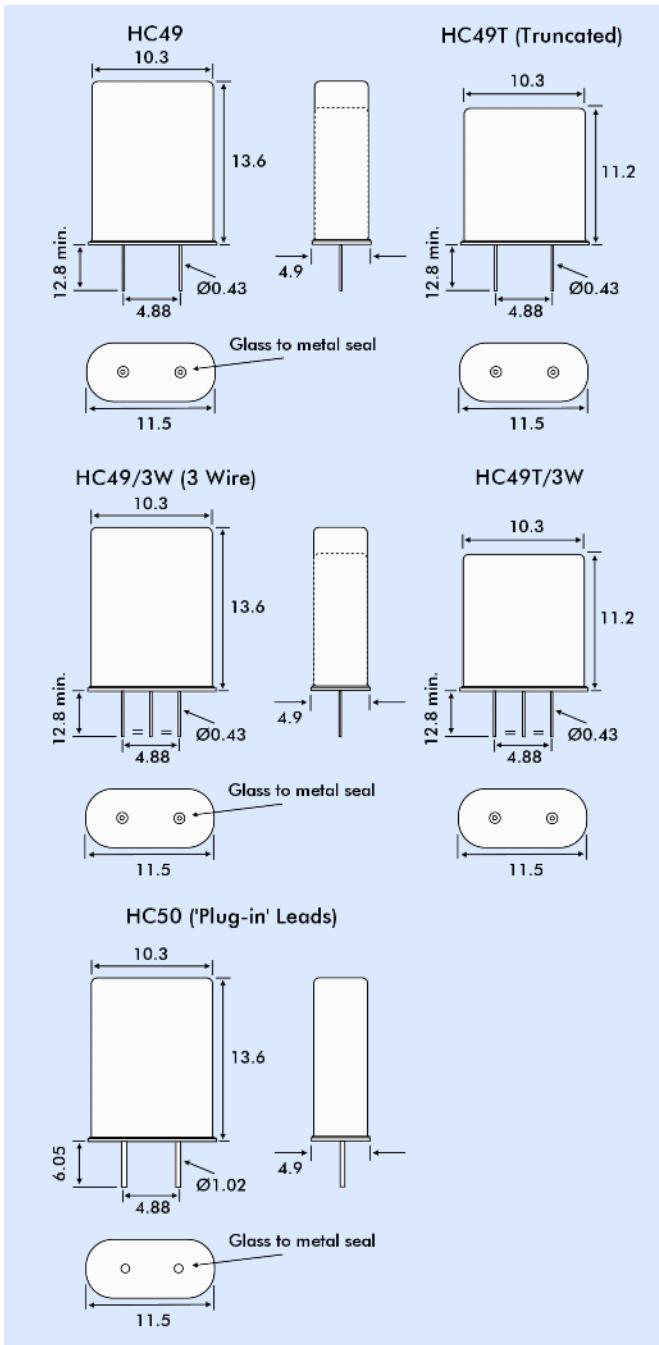
DESCRIPTION

HC49 crystals are long-established, industry-standard crystals. Standard HC49 crystals provide a very low cost source of system clock frequency and they are also able to be produced to very close tolerances where required. Several holder variants are possible.

SPECIFICATION

Frequency Range:	2.0MHz to 250MHz
Oscillation Mode:	See table
Calibration Tolerance at 25°C:	from ±3ppm to ±50ppm
Frequency Stability:	from ±3ppm to ±50ppm
Shunt Capacitance (C0):	7pF maximum
Load Capacitance (CL):	Series or from 8pF to 32pF (Customer specified CL)
Ageing:	±3ppm maximum, 1st year, ±1ppm per year thereafter.
Drive Level:	100µW typical., 500µW max.
Crystal Holder:	Resistance-weld hermetic seal
Supply format:	Bulk pack

OUTLINES & DIMENSIONS



PART NUMBER GENERATION

Part numbers for HC49 crystals are generated as follows:

Example: 16.00MHz HC49/20/30/-10+60/30pF/30R

Frequency /holder /calibration tolerance /stability /temp. range
/ circuit condition /ESR