



LOW COST TIGHT FREQUENCY STABILITY CRYSTAL IN METAL PACKAGE

FEATURES

RoHS Compliant (Pb-Free), Low Profile Thru-Hole Package
AT-cut Crystal, Excellent Aging, Very Tight Temperature Stability
Industry Standard Leads Spacing
Low Cost, Excellent for Communication Microprocessor Applications

SPECIFICATIONS

Frequency	8.00/10.368/13.824/20.945/20.950/21.150/21.250 MHz
Resonance Mode	1 = Fundamental Resonance Mode
Calibration Tolerance @25°C	E = ± 10 ppm
Frequency Stability Ref @25°C	025F = ± 2.5 ppm / 0°C to 50°C 030C = ± 3.0 ppm / -10°C to 60°C
Crystal Aging	± 3 ppm / year Maximum
Storage Temperature	-55°C to 125°C
Load Capacitance (CL)	CL = 16 - 30 pF (to be specified)
Shunt Capacitance	7 pF Maximum
Drive Level	0.1 mW Typical
Equivalent Series Resistance	40 Ohms Maximum
Package	HC49S = HC49/US Low Profile Package
Insulation Resistance	500 Mohms Minimum
Creating a Part Number	HC49S-Frequency-1E025F-CL or HC49S-Frequency-1E030C-CL

OUTLINE DRAWING

