



CRYSTAL UNIT SPECIFICATION

A. General Provisions

- 1. Holder Type : HC-49/U
- 2. Mode of Oscillation : Fundamental

B. Electrical Characteristics

- 1. Nominal Frequency : 10.245 MHz
- 2. Load Capacitance : 32 pF
- 3. Frequency Tolerance : ± 30 ppm (at +25°C \pm 5°C)
- 4. Temperature Characteristics : ± 30 ppm
- 5. Operating Temperature Range : - 10 °C to + 60 °C
- 6. Maximum Series Resistance : 30 Ohms
- 7. Drive Level : 0.5 mW max.
- 8. Shunt Capacitance : 7 pF max.
- 9. Insulation Resistance : 500 M Ω / DC 100V
- 10. Aging (1 year) : ≤ 5.0 ppm
- 11. Test Equipment : 150D C.I.Meter (Saunders & Associates)

C. Mechanical Data

- 1. Shock Test : Dropping from 20 cm height 3 times on firm wood.
- 2. Variation : Frequency less than ± 5 ppm
Resistance less than ± 15 %
- 3. Hermetical Test : No bubble in water at 80°C \pm 5°C for 3 minutes

D. Dimension & Marking

