

Crystals

Order code	Manufacturer code	Description
90-0145	n/a	4.0MHZ HC-49/U CRYSTAL

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The enclosed information is believed to be correct, Information may change 'without notice' due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	Revision A 04/07/2003

CRYSTAL UNIT SPECIFICATION

A. GENERAL PROVISIONS

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

B. ELECTRICAL DATA

1. Nominal Frequency : 4.0000 MHz
2. Frequency Tolerance : \pm 30 PPM (at 25°C±5°C)
3. Temperature Characteristics : \pm 30 PPM
4. Operating Temperature Range : -20 °C to +70 °C
5. Load Capacitance : 20 PF
6. Equivalent Resistance : 100 OHMS (MAX.)
7. Drive Level : 1 MW
8. Shunt Capacitance : 7 PF (MAX.)
9. Insulance : 500 M Ω (MIN) / DC 100V
10. Test Set : CI. METER 100HF

C. MECHANICAL DATA

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

D. DIMENSION AND MARKING

