



A. GENERAL PROVISIONS

A-1. Application:	
A-2. CQ Part No.:	C4HUMM416650-1.8432M
A-3. Holder Type:	HC – 49/U
A-4. Mode of Oscillation:	Fundamental

B. ELECTRICAL DATA

B-1. Nominal Frequency:	1.8432MHz
B-2. Frequency Tolerance:	$\pm 50\text{ppm}$ (at $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$)
B-3. Temperature Characteristics:	$\pm 50\text{ppm}$
B-4. Operating Temperature Range:	- 40°C to $+85^{\circ}\text{C}$
B-5. Load Capacitance:	16pF
B-6. Equivalent Resistance:	650 Ω Max.
B-7. Drive Level:	100 μw
B-8. Shunt Capacitance:	7pF Max.
B-9. Insulation:	500M Ω Min. / DC 100V
B-10. Measuring Equipment	Saunders & Associates 150D C.I. Meter
B-11. Aging	$\pm 5\text{ppm/yr. max}$ (at 25°C)

C. MECHANICAL DATA

C-1. Shock Test

The crystal unit is dropped from the height of 20cm in free fall condition on a 30mm-thick hard wood board for three times.

Frequency change should be less than	$\pm 5\text{ppm}$
Resistance change should be less than	$\pm 15\%$

C-2. Test of hermitic ability

No bubble in water at $80^{\circ}\text{C} \pm 5^{\circ}\text{C}$ for three minutes.

D. DIMENSION AND MARKING

