HC-49S

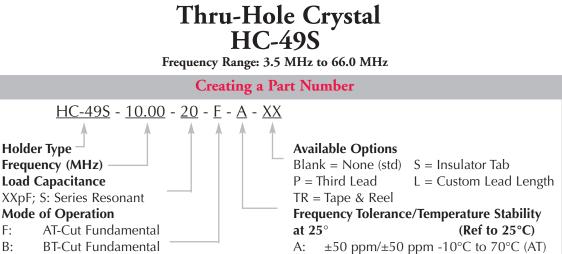
Thru-Hole Crystal

Size, mm

11.0 x 4.6 x 3.5 Frequency Stability ±30 PPM Temperature Range 0°C to 70°C Frequency Range 3.5-66.0 MHz

Features

- Meets NEL requirements for product reliability
- Resistance welded low profile holder
- Frequency range 3.500 MHz to 66.000 MHz
- Special frequencies available



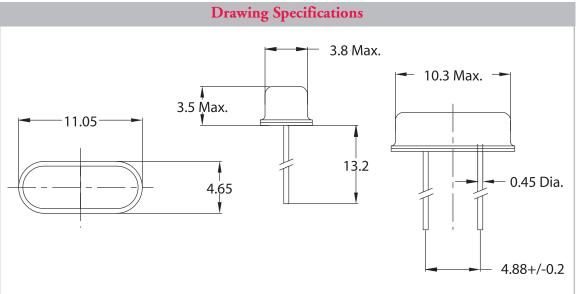
3rd Overtone

T:

- B: $\pm 30 \text{ ppm/} \pm 30 \text{ ppm} 10^{\circ}\text{C to } 70^{\circ}\text{C (AT)}$
- C: $\pm 50 \text{ ppm/} \pm 100 \text{ ppm} 10^{\circ}\text{C}$ to 70°C (AT)
- D: $\pm 50 \text{ ppm/} \pm 100 \text{ ppm } 0^{\circ}\text{C to } 70^{\circ}\text{C (BT)}$

Electrical Specifications

	•
Frequency Range (F _o)	3.500 MHz to 66.000 MHz
Storage Temperature Range (T _{STG})	-40°C to 85°C
Shunt Capacitance (C _o)	7 pF Max.
Load Capacitance (C _L)	10 to 32 pF or Series Resonant
Insulation Resistance	500 Megaohms Minimum at 100 VDC
Drive Level	1 mWatts Max.
Aging (at 25°C)	±5 ppm/year Max.
Equivalent Series Resistance	Frequency Range E.S.R. (Ω) Max
Mode: Fundamental/AT	3.500 to 3.999 MHz 150
Mode: Fundamental/AT	4.000 to 4.499 MHz 150
Mode: Fundamental/AT	4.500 to 4.999 MHz 120
Mode: Fundamental/AT	5.000 to 5.999 MHz 120
Mode: Fundamental/AT	6.000 to 6.999 MHz 100
Mode: Fundamental/AT	7.000 to 7.999 MHz 90
Mode: Fundamental/AT	8.000 to 8.999 MHz 80
Mode: Fundamental/AT	9.000 to 9.999 MHz 60
Mode: Fundamental/AT	10.000 to 12.999 MHz 50
Mode: Fundamental/AT	13.000 to 19.999 MHz 40
Mode: Fundamental/AT	20.000 to 30.000 MHz 40
Mode: 3rd Overtone/AT	30.000 to 66.000 MHz 80
Mode: Fundamental/BT	27.000 to 40.000 MHz 40





For the most up to date specifications on each NEL product, log on to our website—www.nelfc.com

Dimensions shown in millimeters.