

**Description**

- Industry standard SMD crystal.  
Resistance welded, hermetically sealed in an inert atmosphere, glass to metal seals on leads.
- Lead wires are mounted onto a plastic former to create a gull wing mount.
- Model HC49/4HSMX
- Model Issue number 19

**Frequency Parameters**

- Frequency 28.80MHz
- Frequency Tolerance  $\pm 50.00\text{ppm}$
- Tolerance Condition @25°C
- Frequency Stability  $\pm 50.00\text{ppm}$
- Operating Temperature Range 0.00 to 50.00°C
- Overtone Order Fundamental
- Ageing  $\pm 5\text{ppm typ per year @25°C}$

**Electrical Parameters**

- Load Capacitance (CL) 20.00pF
- Shunt Capacitance (C0) 7pF max
- Drive Level 500 $\mu\text{W}$  max
- ESR 40.00 $\Omega$  max

**Environmental Parameters**

- Shock: MIL-STD-202 Method 213, Condition C, Half sine shock pulse peak acceleration of 100g, pulse duration 6ms.
- Vibration: MIL-STD-202 Method 204, 5g for 20 minutes, 12 cycles in each of the 3 orientations, 10~2000Hz
- Storage Temperature Range: -55 to 125°C

**Manufacturing Details**

- RoHS Terminations Sn, Ag & Cu
- RoHS Reflow Temp 260°C max for 10 seconds

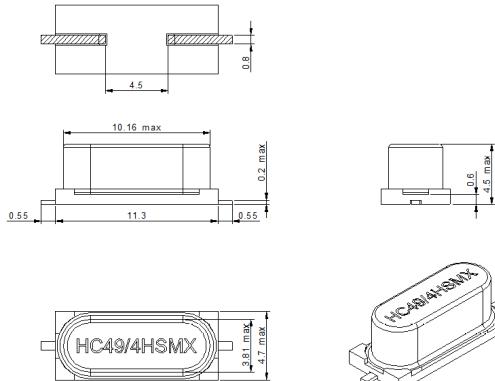
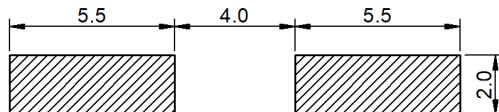
**Compliance**

- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

**Packaging Details**

- Tape & reel in accordance with EIA-481
- Quantities below the standard reel size to be supplied on cut tape.

Standard Pack Quantity: 1,000

**Outline (mm)****Recommended Solder Pad Layout****Sales Office Contact Details:**

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