

ISSUE 1; October 2022

### Description

- IQD understand that HC49S has become an industry standard abbreviation for the strip crystal version of the HC49 crystal. IQD do offer this crystal type in various package types, please see below for full details of IQD model names. Then please search for the IQD model name on our website to find the full specification or contact our Application Support team for assistance.
- HC49/4H Standard leaded package type
- HC49/3.5H 3.5mm height leaded package type
- HC49/3H 3mm height leaded package type
- HC49/2.5H 2.5mm height leaded package type
- HC49/4H AUTO Automotive version of the standard leaded package type
- HC49/4H SMX Standard SMD package type
- HC49/3.5HSMX 3.5mm height SMD package type
- HC49/3HSMX 3mm height SMD package type
- HC49/2.5HSMX 2.5mm height SMD package type
- HC49/4HSMX AUTO Automotive version of the SMD package type

### Frequency Parameters

- Frequency 3.01MHz to 100.0MHz
- See specific IQD model data sheet for full details.

### Electrical Parameters

- See specific IQD model data sheet for full details.

### Operating Temperature Ranges

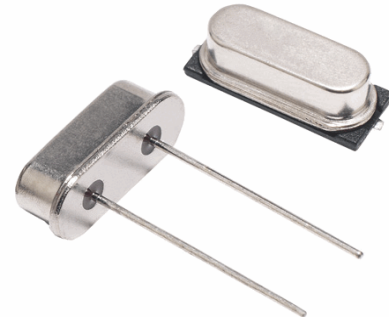
- 0 to 50°C
- -10 to 60°C
- -20 to 70°C
- -30 to 80°C
- -40 to 85°C
- -40 to 125°C
- -55 to 105°C

### Environmental Parameters

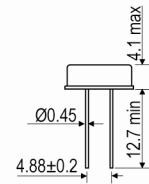
- See specific IQD model data sheet for full details.

### Compliance

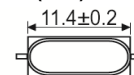
- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable



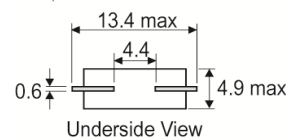
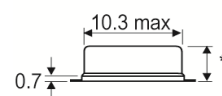
Outline (mm) HC49/4H



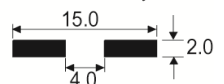
Outline (mm) = HC49-4HSMX



- \* Package Height Options
- |              |            |
|--------------|------------|
| HC49/4HSMX   | 4.3mm max  |
| HC49/3.5HSMX | 3.7mm max  |
| HC49/3HSMX   | 3.1mm max  |
| HC49/2.5HSMX | 2.85mm max |



Solder Pad Layout



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