

# Resistance Welded HC-49S

Quartz Crystal

## Features:

- Surface mount type crystal units.
- A great number of standard frequencies
- Higher frequency available and lower equivalent series resistance
- Lower cost and highly mass production capability
- RoHS Compliant / Pb Free



## Specifications:

| Parameter Name                             | Value                      |
|--|----------------------------|
| PAD  | 2                          |
| Frequency                                  | 22.11MHz                   |
| Mode of Oscillation                        | AT Fundamental             |
| Load Capacitance(CL)                       | 11pF                       |
| Frequency Tolerance(at 25°C)               | ±100ppm                    |
| Operating Temperature Range                | -10~+60°C                  |
| Frequency Stability Over Temperature Range | ±20ppm                     |
| Equivalent Series Resistance(ESR) max.     | 30Ω                        |
| Special Requirement                        | No Special Requirement     |
| Storage Temperature Range                  | -55~+125°C                 |
| Shunt Capacitance(C0)                      | 7.0pF Max                  |
| Drive Level (Typical)                      | 1 ~ 100 μW (100μW typical) |
| Aging @25°C 1st Year (Max)                 | ±3ppm/year or ±5ppm/year   |

## Dimensions:

