

# Resistance Welded HC-49S

Quartz Crystal

## Features:

- Resistance Welded HC-49S
- 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                                  | 32.768MHz                 |
| Mode of Oscillation                        | AT 3RD                    |
| Load Capacitance(CL)                       | 33pF                      |
| Frequency Tolerance(at 25°C)               | ±40ppm                    |
| Operating Temperature Range                | -10~+60°C                 |
| Frequency Stability Over Temperature Range | ±100ppm                   |
| 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 (10μW typical) |
| Aging @25°C 1st Year (Max)                 | ±3ppm/year or ±5ppm/year  |

## Dimensions:

