



## PRODUCTS

## Crystal Unit (SMD)

### Typical Applications:

- PCMCIA Cards
- W-LAN
- Bluetooth
- Portable Multimedia Devices

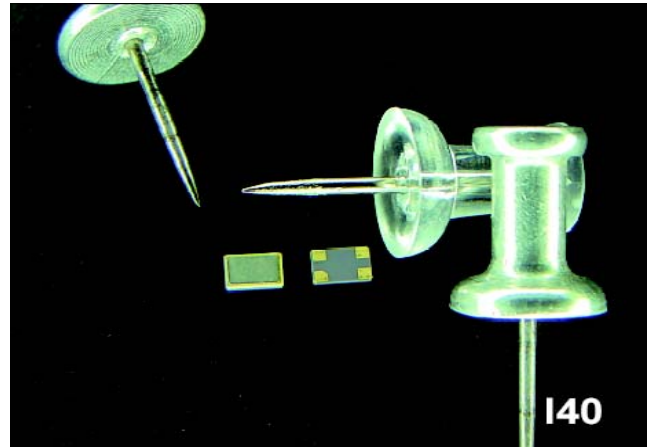
CRYSTAL

# I40

## (Seam Welding Series)

Part Number: I40 (ppm) - Freq - CL

Example: I4015-14.000-18



### ■ Specification

I40

| Part No.              | Example         |
|-----------------------|-----------------|
| I40 (ppm) - Freq - CL | I4015-14.000-18 |

| Specification               | I40                             |
|-----------------------------|---------------------------------|
| Frequency Range             | 12.0 to 32.0MHz                 |
| Mode of Oscillation         | Fundamental                     |
| Tolerance at 25°C           | ±10 to ±50ppm                   |
| Temperature Stability       | ±10 to ±50ppm                   |
| Operating Temperature Range | -10°C to +70°C / -40°C to +85°C |
| Load Capacitance            | 12 to 30pF / Series             |
| Storage Temperature Range   | -40°C to +85°C                  |
| ESR                         | * See Table Below               |
| Drive Level                 | 100µW Max.                      |
| Aging                       | ±5ppm/year Max.                 |

\* I40 ESR Table

| Oscillation Mode | Frequency Range (MHz) | ESR (Ohm) |
|------------------|-----------------------|-----------|
| Fundamental      | 12.0 to 12.9          | 80 Max.   |
|                  | 13.0 to 15.9          | 60 Max.   |
|                  | 16.0 to 19.9          | 50 Max.   |
|                  | 20.0 to 32.0          | 40 Max.   |

### ■ Dimension

(Unit: mm)

