

## ■ Features

- ★ Appropriate for high density circuit board
- ★ Highly stable characteristics
- ★ Suitable for small mobile telecommunication devices

## ■ Application

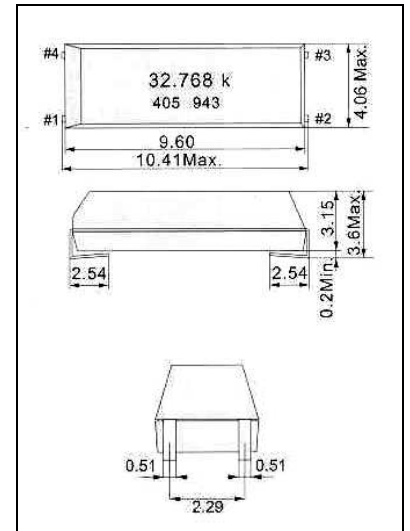
- ★ Watch and Clock
- ★ Remote Control
- ★ Telecommunication equipment
- ★ Consumer Electronics
- ★ Instrumentation
- ★ Audio/Video



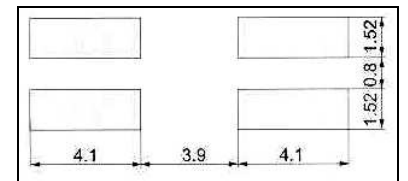
## ■ Specification (Characteristics)

| Item                        | Specification      |
|-----------------------------|--------------------|
| Frequency Range             | 32.768 KHz         |
| Load Capacitance            | 6 ~ 12.5 pF        |
| Drive Level                 | 1.0 μW Max.        |
| Frequency Tolerance         | ±20 ppm ~ ±100 ppm |
| Series Resistance           | 50 KΩ Max          |
| Turnover Temperature        | -25 ± 5 °C         |
| Temperature Coefficient     | -0.04 ppm/°C² Max. |
| Operating Temperature Range | -40 ~ +85 °C       |
| Storage Temperature Range   | -55 ~ +125 °C      |
| Motional Capacitance        | 0.002 pF Typical   |
| Shunt Capacitance           | 0.85 pF Typical    |
| Aging at first year         | ± 3 ppm Max.       |

## ■ Dimension (Unit: mm)



## ■ Recommended Soldering



## ■ Part Number and Ordering

| Part Number Code | Holder Type + Frequency + Tolerance + CL |
|------------------|--|
| Ordering Code    | Same as Above                            |
| Example          | ZM406-32.768K-20-12.5P                   |

## ■ Internal Connections

