



## PRODUCTS

## Tuning Fork Crystal (SMD)

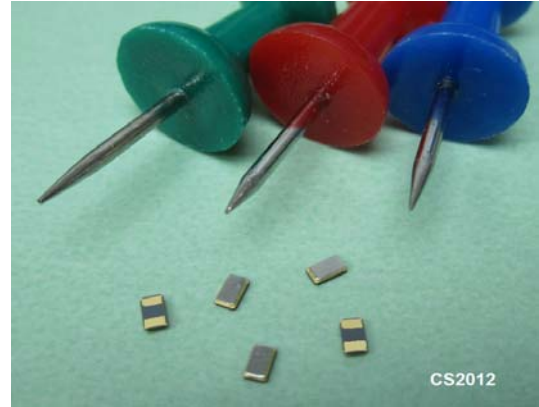
### Typical Application:

- Mobile Phone
- Digital Camera
- Portable PCs
- Wireless LAN

# CS2012

## (SMD Tuning Fork Series)

Part Number: CS2012-Freq-CL-TR  
 Example: CS2012-32.768KHz-12.5-TR



■ Specification		CS2012
Part No.	Example	Size
CS2012-Freq-CL-TR	CS2012-32.768KHz-12.5-TR	2.0 x 1.2 mm

Specification	CS2012
Frequency Range	32.768KHz / 32 to 200KHz
Tolerance at 25°C	±10 to ±50ppm
Turnover Temperature	+25°C
Temperature Coefficient	$(-0.035 \pm 0.01) \times 10^{-6} / ^\circ\text{C}^2$
Load Capacitance	9 to 12.5pF
ESR	90KΩ Max.
Aging (First Year)	±3ppm Max.
Operating Temperature Range	-40°C to +85°C
Storage Temperature Range	-40°C to +85°C
Drive Level	1μW Max.

### ■ Dimension (Unit: mm)

