



**PRODUCTS**

**Tuning Fork Crystal (SMD)**

**Typical Applications:**

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

**CS2**  
**(SMD Tuning Fork Series)**

Part Number: CS2-Freq-CL-TR  
Example: CS2-32.768KHz-12.5-TR



Specification		CS2
Part No.	Example	Size
CS2-Freq-CL-TR	CS2-32.768KHz-12.5-TR	7.9 x 3.7 mm

Specification	CS2
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	6 to 12.5pF
ESR	50KΩ Max.
Aging (First Year)	±3ppm Max.
Operating Temperature Range	-40°C to +85°C
Storage Temperature Range	-55°C to +125°C
Drive Level	1μW Max.

**Dimension** (Unit: mm)

