


# SMD Tuning Fork Crystal Resonators / kHz Band Crystal Resonators

## SM-14J



Actual size 

### ■ Features

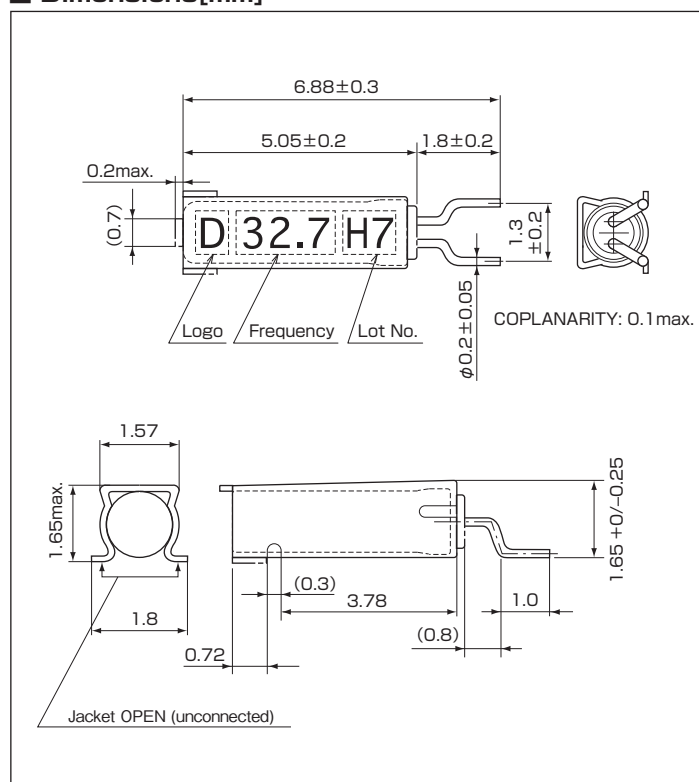
- A miniature SMD tuning fork crystal resonator incased in a metal package.
- Correspond to automatic mounting and reflow soldering.
- Suitable for mobile telecommunications as well as many other applications.

### ■ Standard Specification

| Item                        | Type | SM-14J  |
|-----------------------------|------|---|
| Frequency Range             |      | 32.768kHz(30~80kHz)   |
| Load Capacitance            |      | Series, 7pF, 8pF, 10pF, 12pF, 12.5pF                        |
| Drive Level                 |      | 1.0μW(1.5μW max.)   |
| Frequency Tolerance         |      | $\pm 20 \times 10^{-6}$ , $\pm 30 \times 10^{-6}$ (at 25°C) |
| Series Resistance           |      | 70kΩ max.   |
| Turnover Temperature        |      | +25°C±5°C   |
| Parabolic Coefficient       |      | $-0.04 \times 10^{-6}/^{\circ}\text{C}^2$ max.              |
| Operating Temperature Range |      | -40~+85°C   |
| Storage Temperature Range   |      | -40~+85°C   |
| Shunt Capacitance           |      | 1.05pF Typ. ※   |
| Packing Unit                |      | 5000pcs./reel(φ330)   |

※A custom specification will be provided for the frequency other than 32.768kHz. Consult our sales representative for other specifications.

### ■ Dimensions[mm]



### ■ Recommended Land Pattern [mm]

