

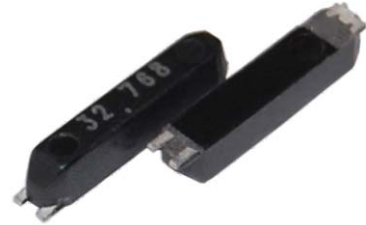
# SMD Tuning Fork Crystal



**Size: 6.9×1.4×1.40 mm      7M Series SMD Tuning Fork Crystal**

## Features

- Plastic molded SMD tuning fork crystal of heat-resistance.
- High precision and high frequency stability.
- Ultra thin type with height 1.4mm Max.
- Automatic mounting and reflow soldering.
- High reliable environmental performance.
- Applications in PC, gaming equipment, Radio communication, PDA, SmartGrid, etc.
- RoHS Compliant.



## Electrical Specifications

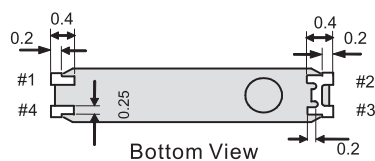
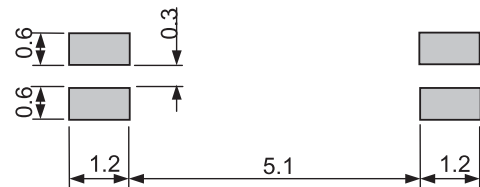
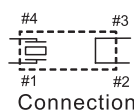
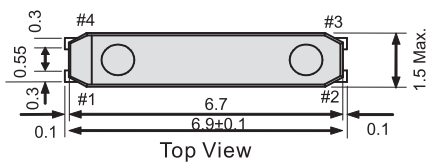
Item /Type	7M (7M Series SMD tuning fork crystal)
Frequency Range	32.768 kHz
Load capacitance	12.5pF
Drive level	1.0μW Max.
Frequency tolerance	±20ppm, or specify
Turnover Temperature	±25°C±5°C
Parabolic Coefficient	$(-0.035±0.005) \times 10^{-6}/^{\circ}\text{C}^2$
Operating temperature range	-20~+70°C, ±40~+85°C
Storage temperature range	±55~+125°C
Aging (at 25°C)	±3ppm at first year
Shunting capacitance	0.8pF Typ.

## Equivalent Series Resistance(ESR)

Fundamental	
32.768kHz	65 KΩ Max.

## Dimensions

Units:mm



Suggested Layout

