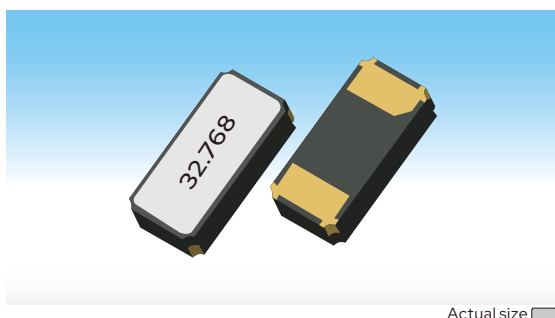


SMD 32.768kHz Crystal Units

7L Series SMD 32.768kHz Crystal Unit

32.768kHz

Size: 3.2×1.5×0.75mm



Features

- 3215 size Ultra miniature and lightweight SMD tuning fork crystal units with low profile of 0.75mm
- A ceramic package with metal lid providing high precision and reliability
- Excellent heat resistance and environmental characteristics
- Application for mobile communications, Consumer device, IoT, Smart card, Wave clock, Wireless communications, etc.
- RoHS Compliant /Pb Free

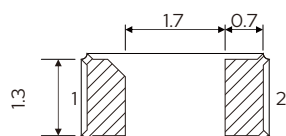
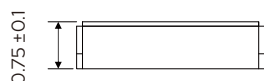
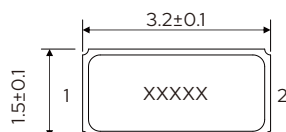


Standard Specifications

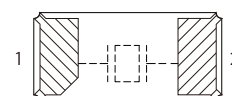
Item	Type	7L Series SMD 32.768kHz Crystal Units
Frequency Range		32.768 kHz
Load Capacitance		7pF, 9pF, 12.5pF, or specify
Drive Level		1μW max.
Frequency Tolerance		±20ppm, or specify
Series Resistance		70KΩ max.
Turnover Temperature		±25°C±5°C
Parabolic Coefficient		$(-0.03 \pm 0.01) \times 10^{-6} / ^\circ\text{C}^2$ max.
Operating Temperature Range		-20~+70°C, -40~+85°C, or specify
Storage Temperature Range		-55~+125°C
Shunt Capacitance		1.0pF Typ.
Size (L×W×H) (mm)		3.2×1.5×0.75
Packing Unit		3000pcs./reel

Dimensions

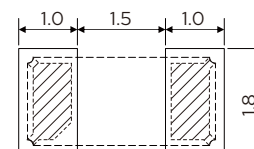
[mm]



Connection



Suggested Layout



Top View Suggested Layout