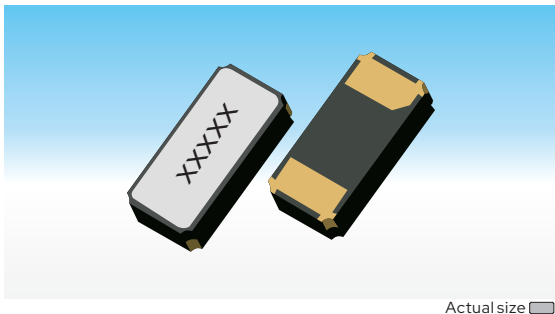


SMD 32.768kHz Crystal For Automotive

A7L Series SMD3215 32.768KHz Crystal For Automotive 32.768kHz Size: 3.2×1.5×0.75mm



Features

- SMD3215 ultra miniature and lightweight SMD 32.768KHz crystal units with low profile of 0.75mm
- AECQ-200 Certified for Automotive RTC Applications
- Excellent heat resistance and environmental characteristics
- High reliable environmental performance
- Application for Real Time Clock, System in sleep mode or low energy mode Timekeeping, etc.
- RoHS Compliant /Pb Free

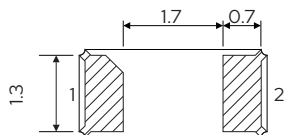
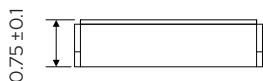
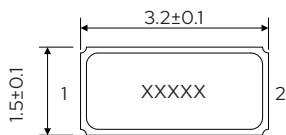


Standard Specifications

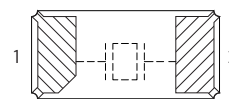
Item	Type	A7L Series SMD3215 32.768kHz Crystal
Frequency Range		32.768KHz
Load Capacitance		6pF, 7pF, 9pF, 12.5pF, or specify
Drive Level		0.5μW max.
Frequency Tolerance		±10ppm, ±20ppm, or specify
Series Resistance		70KΩ max.
Turnover Temperature		±25°C±5°C
Parabolic Coefficient		$(-0.03±0.01)×10^{-6}/°C^2$ max.
Operating Temperature Range		-40~+85°C, -40~+105°C, -40~+125°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

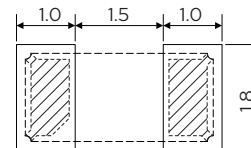
[mm]



Connection



Suggested Layout



Top View Suggested Layout