

32.768KHZ SMD Crystals 3.2x1.5x0.75mm AH31 Series



Features

- 2 pads surface mount package.
- High reliable environmental performance.
- RoHS compliant /Pb Free.
- AECQ200 Certified for automotive RTC applications.



Crystals specifications

ITEMS/TYPE	AH31
Nominal Frequency	32.768KHz
Load Capacitance	7pF, 9pF, 12.5pF, or specify
Frequency Tolerance (at 25°C)	±20ppm, or specify
Operating Temperature Range	-40~+125°C, or specify
Parabolic Coefficient (B)	$(-0.03 \pm 0.01) \cdot 10^{-6} / ^\circ\text{C}^2$
Motional Capacitance(C1)	3.4fF typical
Shunt Capacitance (C0)	1.0pF typical
Drive Level	0.5μW Max.
Aging (at 25°C)	±3ppm/year Max.
Storage Temperature Range	-55~+125°C
Reliability Standard	AEC-Q200
Packing Unit	3,000pcs/Reel

Equivalent Series Resistance(ESR)

Fundamental	
32.768KHz	70KΩ Max.

Dimensions and patterns(unit:mm)

