

# KC5A



## ■ SMD X-TAL 5.0×3.2mm (2PAD)

- Miniature and lightweight SMD crystal resonator.
  - Excellent heat resistance, high precision and high reliability.
  - Nominal frequency range : 8.000MHz to 54.000MHz.
  - Operation mode : Fundamental.
- Applications : PDA, car navigation systems, digital AV equipment.

## ■ Standard Specification

Frequency range	8.000MHz to 54.000MHz
Operation mode	Fundamental
Motional resistance (ESR)	As per below table
Load capacitance (CL)	Standard (9pF, 12pF, 16pF), user spec
Level of drive (DL)	100µW(std), 500µW Max
Frequency tolerance (25°C)	± 30ppm Max, user spec
Temperature stability	± 50ppm Max, user spec
Operating temperature range	-10°C to +70°C(std), -40°C to +85°C
Storage temperature range	-45°C to +100°C
Aging (Initial first year)	± 3ppm / year Max

## ■ Motional resistance (ESR)

Frequency (MHz)	$8.000 \leq f < 11.999$	$12.000 \leq f < 17.000$	$17.001 \leq f < 32.000$	$32.001 \leq f < 54.000$
Cl (Ω)	80	60	50	40
Operation mode	Fundamental			

## ■ Dimensions (mm)

