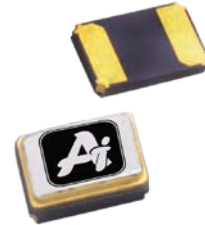




### Features

- 2 pads surface mount package.
- 1610 size miniature and lightweight SMD tuning fork crystal resonator with a low profile of 0.50mm.
- High reliable environmental performance.
- Automatic mounting and reflow soldering.
- Application for NB, Smart phone, Digital appliance, PDA, Wave clock, Wireless communication, RFID, NFC, etc.



### Electrical Specifications

Type	KSM1610 TUNING FORK CRYSTAL
Frequency Range	32.768 kHz
Load Capacitance	12.5pF, other spec.
Drive Level	0.5μW Max.
Frequency Tolerance	±20ppm, or specify
Turnover Temperature	25°C±5°C
Parabolic Coefficient	$(-0.03±0.01) \times 10^{-6}/^{\circ}\text{C}^2$
Operating Temperature Range	-40~+85°C
Storage Temperature Range	-55~+125°C
Aging (at 25°C)	±3ppm at first year
Shunting Capacitance	1.3pF Typ.
Packing Unit	3000pcs/Reel

### Equivalent Series Resistance(ESR)

Fundamental	
32.768kHz	90 kΩ Max.

### Ordering Information

KSM1610	R32K	125	20	A	
Product Code	Frequency Range 32.768 kHz	Load Capacitance 125 =12.5pF	Frequency Tolerance 20=±20ppm	Operating Temperature	
				A:-20~+70°C	D:-40~+125°C
				B:-10~+70°C	E:-10~+60°C
				C:-40~+85°C	F:-30~+70°C

### Dimension

Units:mm

