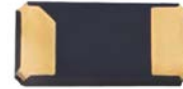




Features

- 2 pads surface mount package.
- 3215 size miniature and lightweight SMD tuning fork crystal resonator with a low profile of 0.75mm.
- High reliable environmental performance.
- Automatic mounting and reflow soldering.
- Application for variety of automotive, Mobile communications, PDA, Wave clock, Wireless communications, digital appliance, etc.



Electrical Specifications

| Type | KSM3215 TURNING FORK CRYSTAL |
|-----------------------------|--|
| Frequency Range | 32.768 kHz |
| Load Capacitance | 12.5pF, other spec. |
| Drive Level | 1.0μW 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 | -20~+70°C, -40~+85°C |
| Storage Temperature Range | -55~+125°C |
| Aging (at 25°C) | ±3ppm at first year |
| Shunting Capacitance | 1.0pF Typ. |
| Packing Unit | 3000pcs./Reel |

Equivalent Series Resistance(ESR)

| Fundamental | |
|-------------|------------|
| 32.768kHz | 70 kΩ Max. |

Ordering Information

| KSM3215 | R32K | 125 | 20 | A | |
|--------------|-----------------|------------------|---------------------|-----------------------|--------------|
| Product Code | Frequency Range | Load Capacitance | Frequency Tolerance | Operating Temperature | |
| | 32.768 kHz | 125 =12.5pF | 20=±20ppm | 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

