



Features

- 5032 size miniature SMD crystal resonator with a low profile of 0.90mm.
- Wide frequency range from a comparatively low 8 MHz up to 125MHz.
- High precision and high frequency stability.
- Excellent for reducing EMI effect.
- Automatic mounting and reflow soldering.
- Applications for Bluetooth, wireless communication set, DSC, PDA, mobile phone, USB interface card, etc.



Electrical Specifications

| Type | KSS5032 QUARTZ CRYSTAL |
|--|------------------------------|
| Frequency Range | 8~125MHz |
| Frequency Tolerance(at 25°C) | ±10ppm, ±30ppm, or specify |
| Frequency Stability Over Operating Temperature Range | ±10ppm, ±30ppm, or specify |
| Operating Temperature Range | -20~+70°C, or specify |
| Shunt Capacitance(C ₀) | 5pF Max. |
| Drive Level | 1~200µW Max.(100µW Typical) |
| Load Capacitance | 10pF, 16pF, 20pF, or specify |
| Aging(at 25°C) | ±3ppm / year Max. |
| Storage Temperature Range | -55~+125°C |
| Packing Unit | 1000pcs/Reel |

Equivalent Series Resistance(ESR)

| Fundamental | | 3rd Overtone | |
|-------------|-----------|--------------|------------|
| 8~11MHz | 80 Ω Max. | 40~60MHz | 120 Ω Max. |
| 12~54MHz | 40 Ω Max. | 60~125MHz | 80 Ω Max. |

Ordering Information

| KSS5032 | 012M | 20 | 30 | 30 | A | |
|--------------|------------------------------|-----------------------------|----------------------------------|----------------------------------|-----------------------|--------------|
| Product Code | Frequency Range 12.000MHz | Load Capacitance 20=20pF | Frequency Tolerance 30=±30ppm | Frequency Stability 30=±30ppm | 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

