



Features

- 1612 size miniature and light SMD crystal resonator with a low profile of 0.35mm.
- Wide frequency range from a comparatively low 24MHz up to 54MHz.
- High precision and high frequency stability.
- Automatic mounting and reflow soldering.
- Applications in smart phone, sip module, variety of compact portable consumer products.



Electrical Specifications

| Type | KSS1612 QUARTZ CRYSTAL |
|--|----------------------------|
| Frequency Range | 24~54MHz |
| Frequency Tolerance(at 25 °C) | ±10ppm, ±20ppm, or specify |
| Frequency Stability Over Operating Temperature Range | ±10ppm, ±20ppm, or specify |
| Operating Temperature Range | -20~+70°C, or specify |
| Shunt Capacitance(C ₀) | 3pF Max. |
| Drive Level | 1~200μW Max.(50μW Typical) |
| Load Capacitance | 8pF, 10pF, or specify |
| Aging (at 25°C) | ±3ppm / year Max. |
| Storage Temperature Range | -55~+125°C |
| Packing Unit | 3000pcs/Reel |

Equivalent Series Resistance(ESR)

| Fundamental | |
|-------------|-----------|
| 24~30MHz | 100 Ω Max |
| 30~54MHz | 80 Ω Max |

Ordering Information

| KSS1612 | 036M | 10 | 20 | 20 | A | |
|--------------|------------------------------|-----------------------------|----------------------------------|----------------------------------|-----------------------|--------------|
| Product Code | Frequency Range 36.000MHz | Load Capacitance 10=10pF | Frequency Tolerance 20=±20ppm | Frequency Stability 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

