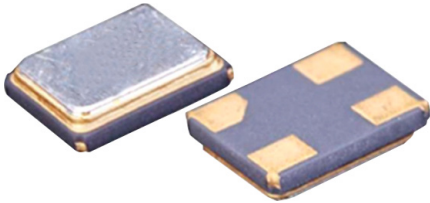


SMD Crystals

1.6mm x 1.2mm x 0.35mm

multicomp PRO

**RoHS
Compliant**



Features

- 1612 size ultra miniature and lightweight SMD crystal units with low profile of 0.35mm
- Frequency range from 24MHz to 32MHz
- High precision and high frequency stability
- High reliable environmental performance
- Automatic mounting and reflow soldering
- Application for wireless communications, Smart phone, Wearable device, etc.

Standard Specification

| | |
|--|----------------------------|
| Frequency Range | : 24 MHz to 32 MHz |
| Frequency Tolerance (at 25°C) | : ±10ppm |
| Frequency stability Over Operating Temperature | : ±10ppm |
| Operating Temperature Range | : -20°C to +70°C |
| Shunt Capacitance (C ₀) | : 5pF Max. |
| Drive Level | : 1μW to 200μW (50μW Typ.) |
| Load Capacitance | : 8pF to 12pF |
| Aging (at 25°C) | : ±3ppm /year Max. |
| Storage Temperature Range | : -55°C to +125°C |

Equivalent Series Resistance

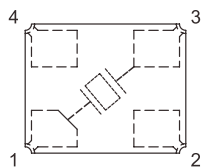
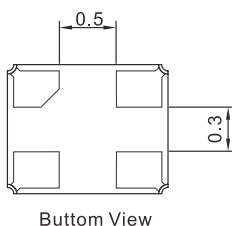
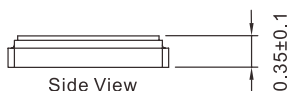
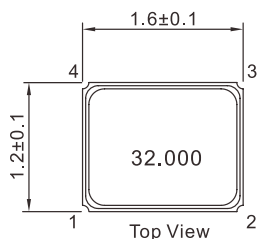
Fundamental

| | |
|----------------|-------------|
| 24MHz to 27MHz | : 100Ω Max. |
| 32MHz | : 80Ω Max. |

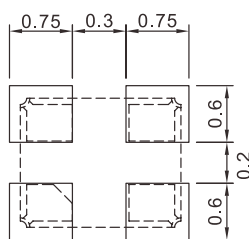
SMD Crystals

1.6mm x 1.2mm x 0.35mm

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Top View Crystal Connection



Top View Suggested Layout

Dimensions : Millimetres

Part Number Table

| Description | Part Number |
|--|-------------|
| SMD Crystal, 25MHz, 8pF, 1.6mm x 1.2mm x 0.35mm | MP007029 |
| SMD Crystal, 25MHz, 10pF, 1.6mm x 1.2mm x 0.35mm | MP007030 |
| SMD Crystal, 24MHz, 12pF, 1.6mm x 1.2mm x 0.35mm | MP007031 |
| SMD Crystal, 24MHz, 8pF, 1.6mm x 1.2mm x 0.35mm | MP007032 |
| SMD Crystal, 26MHz, 9pF, 1.6mm x 1.2mm x 0.35mm | MP007033 |
| SMD Crystal, 26MHz, 12pF, 1.6mm x 1.2mm x 0.35mm | MP007034 |
| SMD Crystal, 27MHz, 8pF, 1.6mm x 1.2mm x 0.35mm | MP007035 |
| SMD Crystal, 27MHz, 12pF, 1.6mm x 1.2mm x 0.35mm | MP007036 |
| SMD Crystal, 32MHz, 8pF, 1.6mm x 1.2mm x 0.35mm | MP007037 |
| SMD Crystal, 32MHz, 10pF, 1.6mm x 1.2mm x 0.35mm | MP007038 |

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