Crystal

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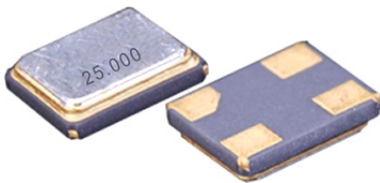
Applications

Wireless Communications, Smartphone, Wearable Devices, etc

Features

- 1612 size ultra miniature and lightweight SMD crystal units with low profile of 0.35mm
- Frequency range from 24MHz to 54MHz
- High precision and high frequency stability
- High reliable environmental performance
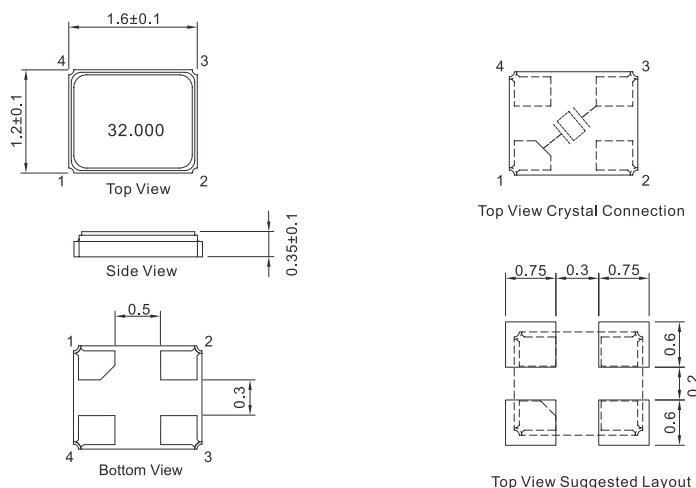- Automatic mounting and reflow soldering

Specifications

Frequency Range	: 24MHz to 54MHz
Frequency Tolerance (at 25°C)	: ±10ppm, ±20ppm
Frequency Stability (over Operating Temp.)	: ±10ppm, ±20ppm
Operating Temperature Range	: -20°C to +70°C, or specify
Shunt Capacitance (C_0)	: 5pF Max.
Drive Level	: 1~200µW (50µW Typ.)
Load Capacitance	: 8pF, 10pF, or specify
Aging (at 25°C)	: ±3ppm / year Max.
Storage Temperature Range	: -55°C to +125°C

Fundamental

24kHz to 30kHz	: 100kΩ Max.
30kHz to 54kHz	: 80kΩ Max.

Dimensions

Dimensions : Millimetres

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Part Number Table

Description	Part Number
Crystal, 25MHz, 8PF, 1.6mm × 1.2mm	MPJK-7Y-25.00-8-10-100-B-10
Crystal, 25MHz, 10PF, 1.6mm × 1.2mm	MPJK-7Y-25.00-10-10-100-B-10
Crystal, 24MHz, 12PF, 1.6mm × 1.2mm	MPJK-7Y-24.00-12-10-100-B-10
Crystal, 24MHz, 8PF, 1.6mm × 1.2mm	MPJK-7Y-24.00-8-10-100-B-10
Crystal, 26MHz, 9PF, 1.6mm × 1.2mm	MPJK-7Y-26.00-9-10-100-B-10
Crystal, 26MHz, 12PF, 1.6mm × 1.2mm	MPJK-7Y-26.00-12-10-100-B-10
Crystal, 27MHz, 8PF, 1.6mm × 1.2mm	MPJK-7Y-27.00-8-10-100-B-10
Crystal, 27MHz, 12PF, 1.6mm × 1.2mm	MPJK-7Y-27.00-12-10-100-B-10
Crystal, 32MHz, 8PF, 1.6mm × 1.2mm	MPJK-7Y-32.00-8-10-100-B-10
Crystal, 32MHz, 10PF, 1.6mm × 1.2mm	MPJK-7Y-32.00-10-10-100-B-10

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