

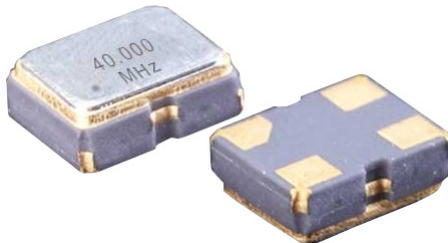
**RoHS
Compliant**

Applications

Telecommunications, GPS, Smartphone, NFC, etc.

Features

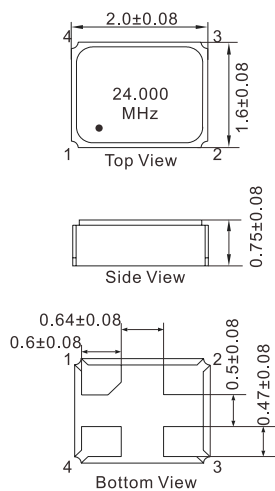
- 2016 size, low profile of 0.75mm
- Frequency range from 4MHz to 54MHz
- Low voltage operation
- Low current consumption
- 3-state function
- Automatic mounting and reflow soldering



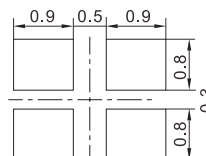
Specifications

Output Type	: CMOS
Output Load	: 15pF, or specify
Oscillator Mode	: Fundamental
Supply Voltage	: 1.8 to 3.3V
Frequency Range	: 4 to 54 MHz
Frequency Stability	: ±20ppm, ±50ppm
Operating Temperature	: -40°C to +85°C, or specify
Storage Temperature	: -55°C to +125°C
Voltage Vol (Max.) /Voh (Min.)	: 0.1VDD / 0.9VDD
Rise (Tr) /Fall (Tf) Time	: 5ns Max.
Supply Current	: 5mA Max.
Symmetry	: 45% to 55%
Start-up Time	: 5ms Max.
Phase Jitter (12KHz~20MHz)	: 1ps Max.
Aging (at 25°C)	: ±3ppm /Year Max.

Dimensions



Pin Functions	
Pin No..	Function
1	OE (Output Enable)
2	GND
3	Output
4	Vcc



Dimensions : Millimetres

Part Number Table

Description	Part Number
Crystal, 4M, 1.8V, 2 × 1.6mm	MPJK-1N-4.00-1.8-50-C
Crystal, 4M, 3.3V, 2 × 1.6mm	MPJK-1N-4.00-3.3-50-C
Crystal, 8M, 1.8V, 2 × 1.6mm	MPJK-1N-8.00-1.8-50-C
Crystal, 8M, 3.3V, 2 × 1.6mm	MPJK-1N-8.00-3.3-50-C
Crystal, 10M, 1.8V, 2 × 1.6mm	MPJK-1N-10.00-1.8-50-C
Crystal, 10M, 3.3V, 2 × 1.6mm	MPJK-1N-10.00-3.3-50-C
Crystal, 12M, 1.8V, 2 × 1.6mm	MPJK-1N-12.00-1.8-50-C
Crystal, 12M, 3.3V, 2 × 1.6mm	MPJK-1N-12.00-3.3-50-C
Crystal, 16M, 1.8V, 2 × 1.6mm	MPJK-1N-16.00-1.8-50-C
Crystal, 16M, 3.3V, 2 × 1.6mm	MPJK-1N-16.00-3.3-50-C
Crystal, 20M, 1.8V, 2 × 1.6mm	MPJK-1N-20.00-1.8-50-C
Crystal, 20M, 3.3V, 2 × 1.6mm	MPJK-1N-20.00-3.3-50-C
Crystal, 24M, 1.8V, 2 × 1.6mm	MPJK-1N-24.00-1.8-50-C
Crystal, 24M, 3.3V, 2 × 1.6mm	MPJK-1N-24.00-3.3-50-C
Crystal, 25M, 1.8V, 2 × 1.6mm	MPJK-1N-25.00-1.8-50-C
Crystal, 25M, 3.3V, 2 × 1.6mm	MPJK-1N-25.00-3.3-50-C
Crystal, 26M, 1.8V, 2 × 1.6mm	MPJK-1N-26.00-1.8-50-C
Crystal, 26M, 3.3V, 2 × 1.6mm	MPJK-1N-26.00-3.3-50-C
Crystal, 27M, 1.8V, 2 × 1.6mm	MPJK-1N-27.00-1.8-50-C
Crystal, 27M, 3.3V, 2 × 1.6mm	MPJK-1N-27.00-3.3-50-C
Crystal, 30M, 1.8V, 2 × 1.6mm	MPJK-1N-50.00-1.8-50-C
Crystal, 30M, 3.3V, 2 × 1.6mm	MPJK-1N-50.00-3.3-50-C
Crystal, 32M, 1.8V, 2 × 1.6mm	MPJK-1N-32.00-1.8-50-C
Crystal, 32M, 3.3V, 2 × 1.6mm	MPJK-1N-32.00-3.3-50-C
Crystal, 38.4M, 1.8V, 2 × 1.6mm	MPJK-1N-38.40-1.8-50-C
Crystal, 38.4M, 3.3V, 2 × 1.6mm	MPJK-1N-38.40-3.3-50-C
Crystal, 48.00M, 1.8V, 2 × 1.6mm	MPJK-1N-48.00-1.8-50-C
Crystal, 48M, 3.3V, 2 × 1.6mm	MPJK-1N-48.00-3.3-50-C

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