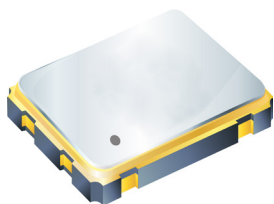


# Crystal Resonator

SMD 2016 (2mm × 1.6mm × 0.5mm)

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RoHS  
Compliant



## Application

Used in smart phone, sip module, variety of compact portable consumer products

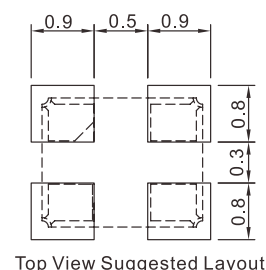
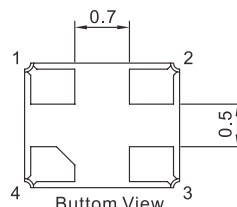
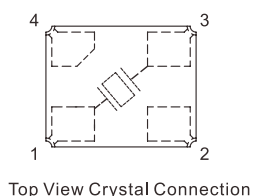
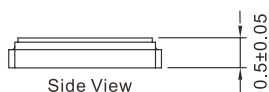
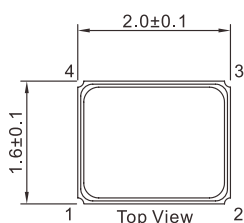
## Features

- 2016 size miniature and light SMD crystal resonator with a low profile of 0.50mm
- Wide frequency range from a comparatively low 16MHz up to 48MHz
- High precision and high frequency stability
- Automatic mounting and reflow soldering

## Electrical Specifications

Frequency Range	: 16MHz to 48MHz
Frequency Tolerance (at 25°C)	: ±20ppm
Frequency Stability Over Operating Temperature Range	: ±20ppm
Operating Temperature Range	: -20°C to +70°C
Shunt Capacitance (C <sub>0</sub> )	: 5pF Max.
Drive Level	: 1 ~ 200µW Max .(50µW Typical)
Load Capacitance	: 8pF, 10pF
Aging (at 25°C)	: ±3ppm / year Max.
Storage Temperature Range	: -55°C ~ +125°C

## Diagram



Dimensions : Millimetres

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Element14.com/multicomp-pro

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# Crystal Resonator

SMD 2016 (2mm × 1.6mm × 0.5mm)

**multicomp** PRO

Equivalent Series Resistance (ESR)	
Fundamental	
16MHz to 19.2MHz	200Ω Max.
19.2MHz to 30MHz	100Ω Max.
30MHz to 48MHz	80Ω Max.

## Part Number Table

Description	Part Number
Crystal Resonator, 2016, 16MHz/ ±20ppm, 160Ω, -20°C to +70°C, 8pF	MCSJK-7F-16.00-8-20-160-B-20
Crystal Resonator, 2016, 16MHz/ ±20ppm, 160Ω, -20°C to +70°C, 10pF	MCSJK-7F-16.00-10-20-160-B-20
Crystal Resonator, 2016, 20MHz/ ±20ppm, 100Ω, -20°C to +70°C, 8pF	MCSJK-7F-20.00-8-20-100-B-20
Crystal Resonator, 2016, 20MHz/ ±20ppm, 100Ω, -20°C to +70°C, 10pF	MCSJK-7F-20.00-10-20-100-B-20
Crystal Resonator, 2016, 24MHz/ ±20ppm, 60Ω, -20°C to +70°C, 8pF	MCSJK-7F-24.00-8-20-60-B-20
Crystal Resonator, 2016, 24MHz/ ±20ppm, 60Ω, -20°C to +70°C, 10pF	MCSJK-7F-24.00-10-20-60-B-20
Crystal Resonator, 2016, 25MHz/ ±20ppm, 60Ω, -20°C to +70°C, 8pF	MCSJK-7F-25.00-8-20-60-B-20
Crystal Resonator, 2016, 25MHz/ ±20ppm, 60Ω, -20°C to +70°C, 10pF	MCSJK-7F-25.00-10-20-60-B-20
Crystal Resonator, 2016, 26MHz/ ±20ppm, 60Ω, -20°C to +70°C, 8pF	MCSJK-7F-26.00-8-20-60-B-20
Crystal Resonator, 2016, 26MHz/ ±20ppm, 60Ω, -20°C to +70°C, 10pF	MCSJK-7F-26.00-10-20-60-B-20
Crystal Resonator, 2016, 27MHz/ ±20ppm, 60Ω, -20°C to +70°C, 8pF	MCSJK-7F-27.00-8-20-60-B-20
Crystal Resonator, 2016, 27MHz/ ±20ppm, 60Ω, -20°C to +70°C, 10pF	MCSJK-7F-27.00-10-20-60-B-20
Crystal Resonator, 2016, 27.12MHz/ ±20ppm, 60Ω, -20°C to +70°C, 8pF	MCSJK-7F-27.12-8-20-60-B-20
Crystal Resonator, 2016, 27.12MHz/ ±20ppm, 60Ω, -20°C to +70°C, 10pF	MCSJK-7F-27.12-10-20-60-B-20
Crystal Resonator, 2016, 32MHz/ ±20ppm, 60Ω, -20°C to +70°C, 8pF	MCSJK-7F-32.00-8-20-60-B-20
Crystal Resonator, 2016, 32MHz/ ±20ppm, 60Ω, -20°C to +70°C, 10pF	MCSJK-7F-32.00-10-20-60-B-20
Crystal Resonator, 2016, 38.4MHz/ ±20ppm, 60Ω, -20°C to +70°C, 8pF	MCSJK-7F-38.40-8-20-60-B-20
Crystal Resonator, 2016, 38.4MHz/ ±20ppm, 60Ω, -20°C to +70°C, 10pF	MCSJK-7F-38.40-10-20-60-B-20
Crystal Resonator, 2016, 40MHz/ ±20ppm, 60Ω, -20°C to +70°C, 8pF	MCSJK-7F-40.00-8-20-60-B-20
Crystal Resonator, 2016, 40MHz/ ±20ppm, 60Ω, -20°C to +70°C, 10pF	MCSJK-7F-40.00-10-20-60-B-20
Crystal Resonator, 2016, 48MHz/ ±20ppm, 60Ω, -20°C to +70°C, 8pF	MCSJK-7F-48.00-8-20-60-B-20
Crystal Resonator, 2016, 48MHz/ ±20ppm, 60Ω, -20°C to +70°C, 10pF	MCSJK-7F-48.00-10-20-60-B-20

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