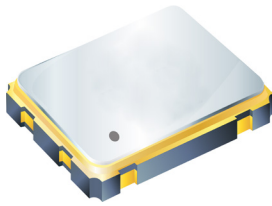


Crystal Resonator

SMD 7050 (7mm × 5mm × 1mm)

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**RoHS
Compliant**



Application

Used in Bluetooth, wireless communication set, DSC, Radio communication, Office automation equipment, etc.

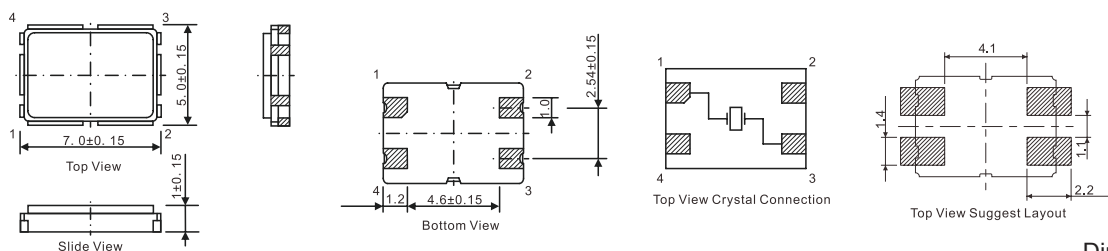
Features

- 7050 size SMD crystal resonator with a low profile of 1mm
- Wide frequency range from a comparatively low 7MHz up to 25MHz
- High precision and high frequency stability
- Automatic mounting and reflow soldering

Electrical Specifications

Frequency Range	: 7 ~ 25MHz
Frequency Tolerance (at 25°C)	: ±30ppm
Frequency Stability Over Operating Temperature Range	: ±30ppm, ±50ppm
Operating Temperature Range	: -20°C to +70°C
Shunt Capacitance	: 5pF Max.
Drive Level	: 1~200μW Max.(100μW Typical)
Load Capacitance	: 16pF, 20pF
Equivalent Series Resistance (ESR)	: 30Ω, 40Ω, 60Ω & 80Ω
Aging (at 25°C)	: ±3ppm / year Max.
Storage Temperature Range	: -55°C to +125°C
Pad	: 4Pads

Diagram



Dimensions : Millimetres

Part Number Table

Description	Part Number
Crystal Resonator, 7050, 7.3728MHz/ ± 30ppm, 80Ω, ±30ppm, -20 ~ +70°C, 16pF	MCSJK-6F-7.3728-16-30-80-B-30
Crystal Resonator, 7050, 7.3728MHz/ ± 30ppm, 80Ω, ±50ppm, -20 ~ +70°C, 16pF	MCSJK-6F-7.3728-16-30-80-B-50
Crystal Resonator, 7050, 7.3728MHz/ ± 30ppm, 80Ω, ±30ppm, -20 ~ +70°C, 20pF	MCSJK-6F-7.3728-20-30-80-B-30
Crystal Resonator, 7050, 7.3728MHz/ ± 30ppm, 80Ω, ±50ppm, -20 ~ +70°C, 20pF	MCSJK-6F-7.3728-20-30-80-B-50

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Crystal Resonator

SMD 7050 (7mm × 5mm × 1mm)

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Description	Part Number
Crystal Resonator, 7050, 8MHz/ ± 30ppm, 60Ω, ± 30ppm, -20 ~ +70°C, 16pF	MCSJK-6F-8.00-16-30-60-B-30
Crystal Resonator, 7050, 8MHz/ ± 30ppm, 60Ω, ± 50ppm, -20 ~ +70°C, 16pF	MCSJK-6F-8.00-16-30-60-B-50
Crystal Resonator, 7050, 8MHz/ ± 30ppm, 60Ω, ± 30ppm, -20 ~ +70°C, 20pF	MCSJK-6F-8.00-20-30-60-B-30
Crystal Resonator, 7050, 8MHz/ ± 30ppm, 60Ω, ± 50ppm, -20 ~ +70°C, 20pF	MCSJK-6F-8.00-20-30-60-B-50
Crystal Resonator, 7050, 10MHz/ ± 30ppm, 60Ω, ± 30ppm, -20 ~ +70°C, 16pF	MCSJK-6F-10.00-16-30-60-B-30
Crystal Resonator, 7050, 10MHz/ ± 30ppm, 60Ω, ± 50ppm, -20 ~ +70°C, 16pF	MCSJK-6F-10.00-16-30-60-B-50
Crystal Resonator, 7050, 10MHz/ ± 30ppm, 60Ω, ± 30ppm, -20 ~ +70°C, 20pF	MCSJK-6F-10.00-20-30-60-B-30
Crystal Resonator, 7050, 10MHz/ ± 30ppm, 60Ω, ± 50ppm, -20 ~ +70°C, 20pF	MCSJK-6F-10.00-20-30-60-B-50
Crystal Resonator, 7050, 11.0592MHz/ ± 30ppm, 60Ω, ± 30ppm, -20 ~ +70°C, 16pF	MCSJK-6F-11.0592-16-30-60-B-30
Crystal Resonator, 7050, 11.0592MHz/ ± 30ppm, 60Ω, ± 50ppm, -20 ~ +70°C, 16pF	MCSJK-6F-11.0592-16-30-60-B-50
Crystal Resonator, 7050, 11.0592MHz/ ± 30ppm, 60Ω, ± 30ppm, -20 ~ +70°C, 20pF	MCSJK-6F-11.0592-20-30-60-B-30
Crystal Resonator, 7050, 11.0592MHz/ ± 30ppm, 60Ω, ± 50ppm, -20 ~ +70°C, 20pF	MCSJK-6F-11.0592-20-30-60-B-50
Crystal Resonator, 7050, 12MHz/ ± 30ppm, 60Ω, ± 30ppm, -20 ~ +70°C, 16pF	MCSJK-6F-12.00-16-30-60-B-30
Crystal Resonator, 7050, 12MHz/ ± 30ppm, 60Ω, ± 50ppm, -20 ~ +70°C, 16pF	MCSJK-6F-12.00-16-30-60-B-50
Crystal Resonator, 7050, 12MHz/ ± 30ppm, 60Ω, ± 30ppm, -20 ~ +70°C, 20pF	MCSJK-6F-12.00-20-30-60-B-30
Crystal Resonator, 7050, 12MHz/ ± 30ppm, 60Ω, ± 50ppm, -20 ~ +70°C, 20pF	MCSJK-6F-12.00-20-30-60-B-50
Crystal Resonator, 7050, 14.31818MHz/ ± 30ppm, 60Ω, ± 30ppm, -20 ~ +70°C, 16pF	MCSJK-6F-14.31818-16-30-60-B-30
Crystal Resonator, 7050, 14.31818MHz/ ± 30ppm, 60Ω, ± 50ppm, -20 ~ +70°C, 16pF	MCSJK-6F-14.31818-16-30-60-B-50
Crystal Resonator, 7050, 14.31818MHz/ ± 30ppm, 60Ω, ± 30ppm, -20 ~ +70°C, 20pF	MCSJK-6F-14.31818-20-30-60-B-30
Crystal Resonator, 7050, 14.31818MHz/ ± 30ppm, 60Ω, ± 50ppm, -20 ~ +70°C, 20pF	MCSJK-6F-14.31818-20-30-60-B-50
Crystal Resonator, 7050, 14.7456MHz/ ± 30ppm, 60Ω, ± 30ppm, -20 ~ +70°C, 16pF	MCSJK-6F-14.7456-16-30-60-B-30
Crystal Resonator, 7050, 14.7456MHz/ ± 30ppm, 60Ω, ± 50ppm, -20 ~ +70°C, 16pF	MCSJK-6F-14.7456-16-30-60-B-50
Crystal Resonator, 7050, 14.7456MHz/ ± 30ppm, 60Ω, ± 30ppm, -20 ~ +70°C, 20pF	MCSJK-6F-14.7456-20-30-60-B-30
Crystal Resonator, 7050, 14.7456MHz/ ± 30ppm, 60Ω, ± 50ppm, -20 ~ +70°C, 20pF	MCSJK-6F-14.7456-20-30-60-B-50
Crystal Resonator, 7050, 16MHz/ ± 30ppm, 40Ω, ± 30ppm, -20 ~ +70°C, 16pF	MCSJK-6F-16.00-16-30-40-B-30
Crystal Resonator, 7050, 16MHz/ ± 30ppm, 40Ω, ± 50ppm, -20 ~ +70°C, 16pF	MCSJK-6F-16.00-16-30-40-B-50
Crystal Resonator, 7050, 16MHz/ ± 30ppm, 40Ω, ± 30ppm, -20 ~ +70°C, 20pF	MCSJK-6F-16.00-20-30-40-B-30
Crystal Resonator, 7050, 16MHz/ ± 30ppm, 40Ω, ± 50ppm, -20 ~ +70°C, 20pF	MCSJK-6F-16.00-20-30-40-B-50
Crystal Resonator, 7050, 16.384MHz/ ± 30ppm, 40Ω, ± 30ppm, -20 ~ +70°C, 16pF	MCSJK-6F-16.384-16-30-40-B-30
Crystal Resonator, 7050, 16.384MHz/ ± 30ppm, 40Ω, ± 50ppm, -20 ~ +70°C, 16pF	MCSJK-6F-16.384-16-30-40-B-50
Crystal Resonator, 7050, 16.384MHz/ ± 30ppm, 40Ω, ± 30ppm, -20 ~ +70°C, 20pF	MCSJK-6F-16.384-20-30-40-B-30
Crystal Resonator, 7050, 16.384MHz/ ± 30ppm, 40Ω, ± 50ppm, -20 ~ +70°C, 20pF	MCSJK-6F-16.384-20-30-40-B-50
Crystal Resonator, 7050, 18.432MHz/ ± 30ppm, 40Ω, ± 30ppm, -20 ~ +70°C, 16pF	MCSJK-6F-18.432-16-30-40-B-30
Crystal Resonator, 7050, 18.432MHz/ ± 30ppm, 40Ω, ± 50ppm, -20 ~ +70°C, 16pF	MCSJK-6F-18.432-16-30-40-B-50
Crystal Resonator, 7050, 18.432MHz/ ± 30ppm, 40Ω, ± 30ppm, -20 ~ +70°C, 20pF	MCSJK-6F-18.432-20-30-40-B-30
Crystal Resonator, 7050, 18.432MHz/ ± 30ppm, 40Ω, ± 50ppm, -20 ~ +70°C, 20pF	MCSJK-6F-18.432-20-30-40-B-50
Crystal Resonator, 7050, 20MHz/ ± 30ppm, 40Ω, ± 30ppm, -20 ~ +70°C, 16pF	MCSJK-6F-20.00-16-30-40-B-30
Crystal Resonator, 7050, 20MHz/ ± 30ppm, 40Ω, ± 50ppm, -20 ~ +70°C, 16pF	MCSJK-6F-20.00-16-30-40-B-50

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Crystal Resonator

SMD 7050 (7mm × 5mm × 1mm)

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Description	Part Number
Crystal Resonator, 7050, 20MHz/ ± 30ppm, 40Ω, ± 30ppm, -20 ~ +70°C, 20pF	MCSJK-6F-20.00-20-30-40-B-30
Crystal Resonator, 7050, 20MHz/ ± 30ppm, 40Ω, ± 50ppm, -20 ~ +70°C, 20pF	MCSJK-6F-20.00-20-30-40-B-50
Crystal Resonator, 7050, 24MHz/ ± 30ppm, 40Ω, ± 30ppm, -20 ~ +70°C, 16pF	MCSJK-6F-24.00-16-30-40-B-30
Crystal Resonator, 7050, 24MHz/ ± 30ppm, 40Ω, ± 50ppm, -20 ~ +70°C, 16pF	MCSJK-6F-24.00-16-30-40-B-50
Crystal Resonator, 7050, 24MHz/ ± 30ppm, 40Ω, ± 30ppm, -20 ~ +70°C, 20pF	MCSJK-6F-24.00-20-30-40-B-30
Crystal Resonator, 7050, 24MHz/ ± 30ppm, 40Ω, ± 50ppm, -20 ~ +70°C, 20pF	MCSJK-6F-24.00-20-30-40-B-50
Crystal Resonator, 7050, 24.576MHz/ ± 30ppm, 40Ω, ± 30ppm, -20 ~ +70°C, 16pF	MCSJK-6F-24.576-16-30-40-B-30
Crystal Resonator, 7050, 24.576MHz/ ± 30ppm, 40Ω, ± 50ppm, -20 ~ +70°C, 16pF	MCSJK-6F-24.576-16-30-40-B-50
Crystal Resonator, 7050, 24.576MHz/ ± 30ppm, 40Ω, ± 30ppm, -20 ~ +70°C, 20pF	MCSJK-6F-24.576-20-30-40-B-30
Crystal Resonator, 7050, 24.576MHz/ ± 30ppm, 40Ω, ± 50ppm, -20 ~ +70°C, 20pF	MCSJK-6F-24.576-20-30-40-B-50
Crystal Resonator, 7050, 25MHz/ ± 30ppm, 40Ω, ± 30ppm, -20 ~ +70°C, 16pF	MCSJK-6F-25.00-16-30-40-B-30
Crystal Resonator, 7050, 25MHz/ ± 30ppm, 40Ω, ± 50ppm, -20 ~ +70°C, 16pF	MCSJK-6F-25.00-16-30-40-B-50
Crystal Resonator, 7050, 25MHz/ ± 30ppm, 40Ω, ± 30ppm, -20 ~ +70°C, 20pF	MCSJK-6F-25.00-20-30-40-B-30
Crystal Resonator, 7050, 25MHz/ ± 30ppm, 40Ω, ± 50ppm, -20 ~ +70°C, 20pF	MCSJK-6F-25.00-20-30-40-B-50

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