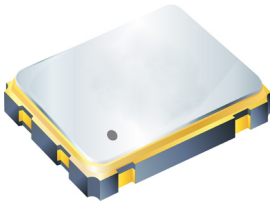


Crystal Resonator

SMD 2520 (2.5mm × 2mm × 0.55mm)



RoHS
Compliant



Application

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

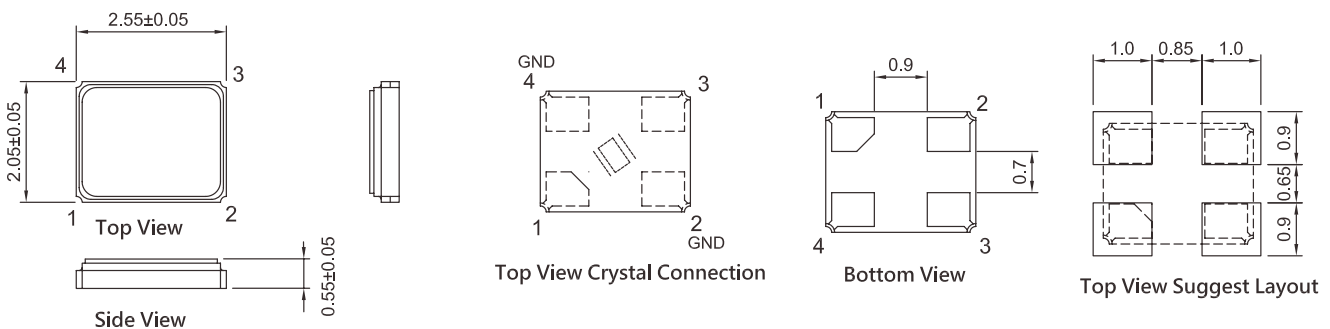
Features

- 2520 size miniature and light SMD crystal resonator with a low profile of 0.55mm
- Wide frequency range from a comparatively low 14MHz up to 48MHz
- High precision and high frequency stability
- Excellent heat resistance and environmental characteristics
- Automatic mounting and reflow soldering

Electrical Specifications

Frequency Range	: 14 ~ 48MHz
Frequency Tolerance (at 25°C)	: ±10ppm, ±30ppm
Frequency Stability Over Operating Temperature Range	: ±10ppm, ±30ppm
Operating Temperature Range	: -20°C to +70°C
Shunt Capacitance (C ₀)	: 3pF Max.
Drive Level	: 1 ~ 200µW Max .(100µW Typical)
Load Capacitance	: 8pF, 10pF
Equivalent Series Resistance (ESR)	: 40Ω, 60Ω, 80Ω & 100Ω
Aging (at 25°C)	: ±3ppm / year Max.
Storage Temperature Range	: -55°C ~ +125°C

Diagram



Dimensions : Millimetres

Crystal Resonator

SMD 2520 (2.5mm × 2mm × 0.55mm)



Part Number Table

Description	Part Number
Crystal Resonator, 2520, 14.31818MHz/ ±10ppm, 100Ω, ±10ppm, -20 ~ +70°C, 8pF	MCSJK-7E-14.31818-8-10-100-B-10
Crystal Resonator, 2520, 14.31818MHz/ ±30ppm, 100Ω, ±30ppm, -20 ~ +70°C, 8pF	MCSJK-7E-14.31818-8-30-100-B-30
Crystal Resonator, 2520, 14.31818MHz/ ±10ppm, 100Ω, ±10ppm, -20 ~ +70°C, 10pF	MCSJK-7E-14.31818-10-10-100-B-10
Crystal Resonator, 2520, 14.31818MHz/ ±30ppm, 100Ω, ±30ppm, -20 ~ +70°C, 10pF	MCSJK-7E-14.31818-10-30-100-B-30
Crystal Resonator, 2520, 16MHz/ ±10ppm, 100Ω, ±10ppm, -20 ~ +70°C, 8pF	MCSJK-7E-16.00-8-10-100-B-10
Crystal Resonator, 2520, 16MHz/ ±30ppm, 100Ω, ±30ppm, -20 ~ +70°C, 8pF	MCSJK-7E-16.00-8-30-100-B-30
Crystal Resonator, 2520, 16MHz/ ±10ppm, 100Ω, ±10ppm, -20 ~ +70°C, 10pF	MCSJK-7E-16.00-10-10-100-B-10
Crystal Resonator, 2520, 16MHz/ ±30ppm, 100Ω, ±30ppm, -20 ~ +70°C, 10pF	MCSJK-7E-16.00-10-30-100-B-30
Crystal Resonator, 2520, 19.2MHz/ ±10ppm, 80Ω, ±10ppm, -20 ~ +70°C, 8pF	MCSJK-7E-19.20-8-10-80-B-10
Crystal Resonator, 2520, 19.2MHz/ ±30ppm, 80Ω, ±30ppm, -20 ~ +70°C, 8pF	MCSJK-7E-19.20-8-30-80-B-30
Crystal Resonator, 2520, 19.2MHz/ ±10ppm, 80Ω, ±10ppm, -20 ~ +70°C, 10pF	MCSJK-7E-19.20-10-10-80-B-10
Crystal Resonator, 2520, 19.2MHz/ ±30ppm, 80Ω, ±30ppm, -20 ~ +70°C, 10pF	MCSJK-7E-19.20-10-30-80-B-30
Crystal Resonator, 2520, 20MHz/ ±10ppm, 80Ω, ±10ppm, -20 ~ +70°C, 8pF	MCSJK-7E-20.00-8-10-80-B-10
Crystal Resonator, 2520, 20MHz/ ±30ppm, 80Ω, ±30ppm, -20 ~ +70°C, 8pF	MCSJK-7E-20.00-8-30-80-B-30
Crystal Resonator, 2520, 20MHz/ ±10ppm, 80Ω, ±10ppm, -20 ~ +70°C, 10pF	MCSJK-7E-20.00-10-10-80-B-10
Crystal Resonator, 2520, 20MHz/ ±30ppm, 80Ω, ±30ppm, -20 ~ +70°C, 10pF	MCSJK-7E-20.00-10-30-80-B-30
Crystal Resonator, 2520, 24MHz/ ±10ppm, 60Ω, ±10ppm, -20 ~ +70°C, 8pF	MCSJK-7E-24.00-8-10-60-B-10
Crystal Resonator, 2520, 24MHz/ ±30ppm, 60Ω, ±30ppm, -20 ~ +70°C, 8pF	MCSJK-7E-24.00-8-30-60-B-30
Crystal Resonator, 2520, 24MHz/ ±10ppm, 60Ω, ±10ppm, -20 ~ +70°C, 10pF	MCSJK-7E-24.00-10-10-60-B-10
Crystal Resonator, 2520, 24MHz/ ±30ppm, 60Ω, ±30ppm, -20 ~ +70°C, 10pF	MCSJK-7E-24.00-10-30-60-B-30
Crystal Resonator, 2520, 24.576MHz/ ±10ppm, 60Ω, ±10ppm, -20 ~ +70°C, 8pF	MCSJK-7E-24.576-8-10-60-B-10
Crystal Resonator, 2520, 24.576MHz/ ±30ppm, 60Ω, ±30ppm, -20 ~ +70°C, 8pF	MCSJK-7E-24.576-8-30-60-B-30
Crystal Resonator, 2520, 24.576MHz/ ±10ppm, 60Ω, ±10ppm, -20 ~ +70°C, 10pF	MCSJK-7E-24.576-10-10-60-B-10
Crystal Resonator, 2520, 24.576MHz/ ±30ppm, 60Ω, ±30ppm, -20 ~ +70°C, 10pF	MCSJK-7E-24.576-10-30-60-B-30
Crystal Resonator, 2520, 25MHz/ ±10ppm, 60Ω, ±10ppm, -20 ~ +70°C, 8pF	MCSJK-7E-25.00-8-10-60-B-10
Crystal Resonator, 2520, 25MHz/ ±30ppm, 60Ω, ±30ppm, -20 ~ +70°C, 8pF	MCSJK-7E-25.00-8-30-60-B-30
Crystal Resonator, 2520, 25MHz/ ±10ppm, 60Ω, ±10ppm, -20 ~ +70°C, 10pF	MCSJK-7E-25.00-10-10-60-B-10
Crystal Resonator, 2520, 25MHz/ ±30ppm, 60Ω, ±30ppm, -20 ~ +70°C, 10pF	MCSJK-7E-25.00-10-30-60-B-30
Crystal Resonator, 2520, 26MHz/ ±10ppm, 60Ω, ±10ppm, -20 ~ +70°C, 8pF	MCSJK-7E-26.00-8-10-60-B-10
Crystal Resonator, 2520, 26MHz/ ±30ppm, 60Ω, ±30ppm, -20 ~ +70°C, 8pF	MCSJK-7E-26.00-8-30-60-B-30
Crystal Resonator, 2520, 26MHz/ ±10ppm, 60Ω, ±10ppm, -20 ~ +70°C, 10pF	MCSJK-7E-26.00-10-10-60-B-10
Crystal Resonator, 2520, 26MHz/ ±30ppm, 60Ω, ±30ppm, -20 ~ +70°C, 10pF	MCSJK-7E-26.00-10-30-60-B-30
Crystal Resonator, 2520, 27MHz/ ±10ppm, 60Ω, ±10ppm, -20 ~ +70°C, 8pF	MCSJK-7E-27.00-8-10-60-B-10
Crystal Resonator, 2520, 27MHz/ ±30ppm, 60Ω, ±30ppm, -20 ~ +70°C, 8pF	MCSJK-7E-27.00-8-30-60-B-30
Crystal Resonator, 2520, 27MHz/ ±10ppm, 60Ω, ±10ppm, -20 ~ +70°C, 10pF	MCSJK-7E-27.00-10-10-60-B-10
Crystal Resonator, 2520, 27MHz/ ±30ppm, 60Ω, ±30ppm, -20 ~ +70°C, 10pF	MCSJK-7E-27.00-10-30-60-B-30
Crystal Resonator, 2520, 27.12MHz/ ±10ppm, 60Ω, ±10ppm, -20 ~ +70°C, 8pF	MCSJK-7E-27.12-8-10-60-B-10

Crystal Resonator

SMD 2520 (2.5mm × 2mm × 0.55mm)



Description	Part Number
Crystal Resonator, 2520, 27.12MHz/ ±30ppm, 60Ω, ±30ppm, -20 ~ +70°C, 8pF	MCSJK-7E-27.12-8-30-60-B-30
Crystal Resonator, 2520, 27.12MHz/ ±10ppm, 60Ω, ±10ppm, -20 ~ +70°C, 10pF	MCSJK-7E-27.12-10-10-60-B-10
Crystal Resonator, 2520, 27.12MHz/ ±30ppm, 60Ω, ±30ppm, -20 ~ +70°C, 10pF	MCSJK-7E-27.12-10-30-60-B-30
Crystal Resonator, 2520, 32MHz/ ±10ppm, 60Ω, ±10ppm, -20 ~ +70°C, 8pF	MCSJK-7E-32.00-8-10-60-B-10
Crystal Resonator, 2520, 32MHz/ ±30ppm, 60Ω, ±30ppm, -20 ~ +70°C, 8pF	MCSJK-7E-32.00-8-30-60-B-30
Crystal Resonator, 2520, 32MHz/ ±10ppm, 60Ω, ±10ppm, -20 ~ +70°C, 10pF	MCSJK-7E-32.00-10-10-60-B-10
Crystal Resonator, 2520, 32MHz/ ±30ppm, 60Ω, ±30ppm, -20 ~ +70°C, 10pF	MCSJK-7E-32.00-10-30-60-B-30
Crystal Resonator, 2520, 40MHz/ ±10ppm, 40Ω, ±10ppm, -20 ~ +70°C, 8pF	MCSJK-7E-40.00-8-10-40-B-10
Crystal Resonator, 2520, 40MHz/ ±30ppm, 40Ω, ±30ppm, -20 ~ +70°C, 8pF	MCSJK-7E-40.00-8-30-40-B-30
Crystal Resonator, 2520, 40MHz/ ±10ppm, 40Ω, ±10ppm, -20 ~ +70°C, 10pF	MCSJK-7E-40.00-10-10-40-B-10
Crystal Resonator, 2520, 40MHz/ ±30ppm, 40Ω, ±30ppm, -20 ~ +70°C, 10pF	MCSJK-7E-40.00-10-30-40-B-30
Crystal Resonator, 2520, 48MHz/ ±10ppm, 40Ω, ±10ppm, -20 ~ +70°C, 8pF	MCSJK-7E-48.00-8-10-40-B-10
Crystal Resonator, 2520, 48MHz/ ±30ppm, 40Ω, ±30ppm, -20 ~ +70°C, 8pF	MCSJK-7E-48.00-8-30-40-B-30
Crystal Resonator, 2520, 48MHz/ ±10ppm, 40Ω, ±10ppm, -20 ~ +70°C, 10pF	MCSJK-7E-48.00-10-10-40-B-10
Crystal Resonator, 2520, 48MHz/ ±30ppm, 40Ω, ±30ppm, -20 ~ +70°C, 10pF	MCSJK-7E-48.00-10-30-40-B-30

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