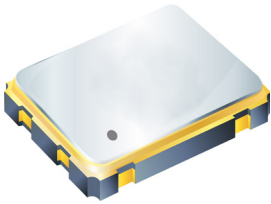


# Crystal Oscillator

## SMD 7050 (7mm × 5mm × 1.3mm)



RoHS  
Compliant



### Application

Used in Wireless communication, FC-HBA, PC, LCDM, Server, SONET, Telecommunications, etc.

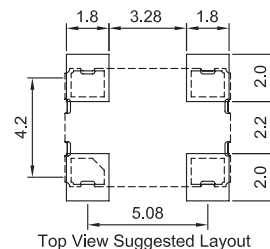
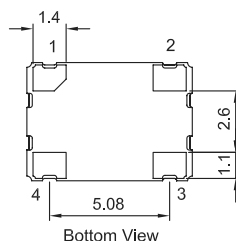
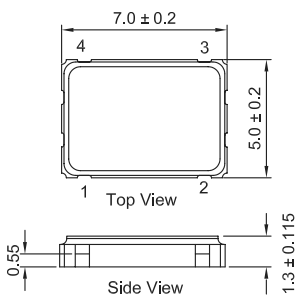
### Features

- High precision characteristic covering up to wide frequency range
- Supply voltage: 5V and 3.3V supply model available
- 3-state function
- Automatic mounting and reflow soldering
- High stability, low jitter, low power consumption
- Package size: 7mm × 5mm × 1.3mm

### Electrical Specifications

Output Type	: TTL/CMOS (6NC1), CMOS (6NC2)
Output Load	: 15pF
Oscillation Mode	: Fundamental / 3rd Overtone
Supply Voltage	: 3.3V, 5V
Frequency Range	: 1 ~ 78MHz
Frequency Stability	: ±25ppm
Operating Temperature Range	: -20°C to +70°C
Storage Temperature Range	: -55°C to +125°C
Voltage Vol (Max.) / Voh (Min.)	: 0.1VDD / 0.9VDD
Rise(Tr) / Fall(Tf) Time	: 8ns Max.
Supply Current	: 20mA Max.
Symmetry	: 40 ~ 55%, 40 ~ 60%
Start-up Time	: 5ms Max.
Phase Jitter (12kHz ~ 20MHz)	: 1ps Max.
Aging (at 25°C)	: ±3ppm/Year Max.

### Diagram



#### PAD Function

1. Enable Control
2. GND
3. Out
4. VDD

Dimensions : Millimetres



# Crystal Oscillator

SMD 7050 (7mm × 5mm × 1.3mm)



Part Number Table

Description	Part Number
Crystal Oscillator, 7050, 1.8432MHz, 3.3V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC2-1.8432-25-B
Crystal Oscillator, 7050, 1.8432MHz, 5V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC1-1.8432-25-B
Crystal Oscillator, 7050, 4MHz, 3.3V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC2-4.00-25-B
Crystal Oscillator, 7050, 4MHz, 5V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC1-4.00-25-B
Crystal Oscillator, 7050, 7.3728MHz, 3.3V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC2-7.3728-25-B
Crystal Oscillator, 7050, 7.3728MHz, 5V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC1-7.3728-25-B
Crystal Oscillator, 7050, 8MHz, 3.3V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC2-8.00-25-B
Crystal Oscillator, 7050, 8MHz, 5V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC1-8.00-25-B
Crystal Oscillator, 7050, 10MHz, 3.3V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC2-10.00-25-B
Crystal Oscillator, 7050, 10MHz, 5V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC1-10.00-25-B
Crystal Oscillator, 7050, 12MHz, 3.3V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC2-12.00-25-B
Crystal Oscillator, 7050, 12MHz, 5V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC1-12.00-25-B
Crystal Oscillator, 7050, 14.31818MHz, 3.3V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC2-14.31818-25-B
Crystal Oscillator, 7050, 14.31818MHz, 5V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC1-14.31818-25-B
Crystal Oscillator, 7050, 16MHz, 3.3V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC2-16.00-25-B
Crystal Oscillator, 7050, 16MHz, 5V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC1-16.00-25-B
Crystal Oscillator, 7050, 16.384MHz, 3.3V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC2-16.384-25-B
Crystal Oscillator, 7050, 16.384MHz, 5V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC1-16.384-25-B
Crystal Oscillator, 7050, 18.432MHz, 3.3V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC2-18.432-25-B
Crystal Oscillator, 7050, 18.432MHz, 5V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC1-18.432-25-B
Crystal Oscillator, 7050, 20MHz, 3.3V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC2-20.00-25-B
Crystal Oscillator, 7050, 20MHz, 5V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC1-20.00-25-B
Crystal Oscillator, 7050, 24MHz, 3.3V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC2-24.00-25-B
Crystal Oscillator, 7050, 24MHz, 5V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC1-24.00-25-B
Crystal Oscillator, 7050, 24.576MHz, 3.3V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC2-24.576-25-B
Crystal Oscillator, 7050, 24.576MHz, 5V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC1-24.576-25-B
Crystal Oscillator, 7050, 25MHz, 3.3V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC2-25.00-25-B
Crystal Oscillator, 7050, 25MHz, 5V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC1-25.00-25-B
Crystal Oscillator, 7050, 26MHz, 3.3V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC2-26.00-25-B
Crystal Oscillator, 7050, 26MHz, 5V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC1-26.00-25-B
Crystal Oscillator, 7050, 27MHz, 3.3V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC2-27.00-25-B
Crystal Oscillator, 7050, 27MHz, 5V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC1-27.00-25-B
Crystal Oscillator, 7050, 30MHz, 3.3V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC2-30.00-25-B
Crystal Oscillator, 7050, 30MHz, 5V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC1-30.00-25-B
Crystal Oscillator, 7050, 32MHz, 3.3V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC2-32.00-25-B
Crystal Oscillator, 7050, 32MHz, 5V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC1-32.00-25-B
Crystal Oscillator, 7050, 36MHz, 3.3V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC2-36.00-25-B

# Crystal Oscillator

SMD 7050 (7mm × 5mm × 1.3mm)



Description	Part Number
Crystal Oscillator, 7050, 36MHz, 5V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC1-36.00-25-B
Crystal Oscillator, 7050, 40MHz, 3.3V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC2-40.00-25-B
Crystal Oscillator, 7050, 40MHz, 5V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC1-40.00-25-B
Crystal Oscillator, 7050, 48MHz, 3.3V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC2-48.00-25-B
Crystal Oscillator, 7050, 48MHz, 5V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC1-48.00-25-B
Crystal Oscillator, 7050, 49.152MHz, 3.3V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC2-49.152-25-B
Crystal Oscillator, 7050, 49.152MHz, 5V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC1-49.152-25-B
Crystal Oscillator, 7050, 77.76MHz, 3.3V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC2-77.76-25-B
Crystal Oscillator, 7050, 77.76MHz, 5V, ±25ppm, -20 ~ +70°C, 15pF	MCSJK-6NC1-77.76-25-B

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