



8 MHz Crystal + 20pF capacitors

PRODUCT ID: 2213

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[DESCRIPTION](#)[TECHNICAL DETAILS](#)

Datasheet.Live



DESCRIPTION

Keep your microcontroller tickin' with a fancy timing crystal. This 8.000 MHz model comes in a HC49/US 'short style' standard package and is breadboard friendly and easy to use with any microcontroller or device that requires an external crystal. We even include two 20pF capacitors!

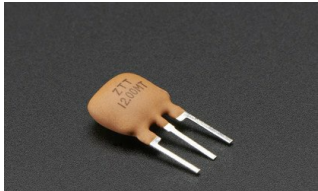
The crystal has 30PPM tolerance, 50PPM stability so it's good even for high precision needs (USB timing, long-term time-keeping, RF/PLL/VCO driving).

To use, connect the two pins to XTAL-in and XTAL-out on your circuit (the package is symmetric so use whichever pin) and one capacitor each from a crystal pin to ground. Check your microcontroller datasheet in case you also need a 1 Megaohm resistor or any other components.

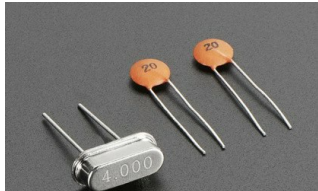
TECHNICAL DETAILS

- Pin Length (capacitors): 13mm / 0.5"
- Diameter (capacitors): 5mm / 0.2"
- [Crystal Datasheet](#)
- [Crystal Dimensions](#)

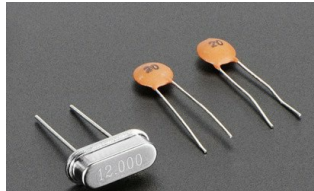
MAY WE ALSO SUGGEST...



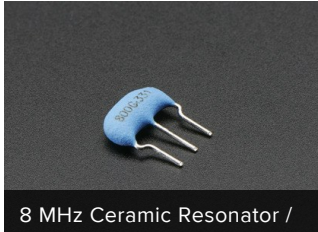
12 MHz Ceramic Resonator /



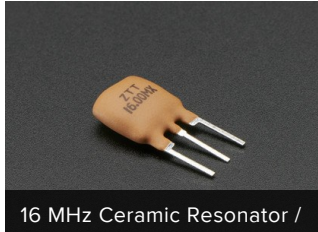
4 MHz Crystal + 20pF



12 MHz Crystal + 20pF



8 MHz Ceramic Resonator /



16 MHz Ceramic Resonator /



Adafruit SI5351A Clock



16 MHz Crystal + 20pF



32.768 KHz Crystal - 12.5pF

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"Another belief of mine; that everyone else my age is an adult, whereas I am merely in disguise" -

Margaret Atwood