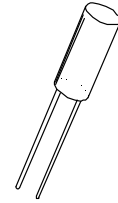




CY39, CY310 Crystals



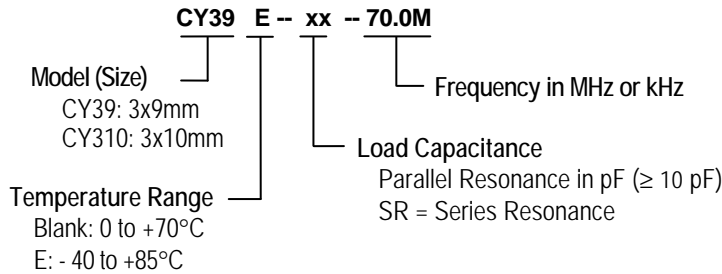
- Cylindrical Crystals in MHz and kHz Range
- Available in 2 Sizes and Frequency Ranges,
CY39: 3x9mm, CY310: 3x10mm

30 kHz – 150 kHz
3.500 MHz – 70.000 MHz

Standard Specifications

Frequency Range	CY310: 3.500 to 3.999 MHz, CY39: 30 to 150 kHz and 4.000 to 70.000 MHz
Calibration Frequency Tolerance at 25°C	± 50 PPM is standard, tighter tolerances available
Operating Temperature Range (OTR)	0 to +70°C is standard, but can be extended to -40 to +85°C
Frequency Stability (FS) over OTR	± 50 PPM is standard, tighter tolerances available
Drive Level	100 mW is standard, customer may specify
Aging at 25°C	± 5 PPM per year is standard, customer may specify ± 1 PPM
Shunt Capacitance	7 pF maximum

Part Numbering Guide



ESR Values

Oscillation Mode	Frequency Range (MHz)	Maximum ESR (Ohms)
Fundamental AT Cut	3.500 – 3.999	200
	4.000 – 5.999	150
	6.000 – 9.999	100
	10.000 – 30.000	50
3rd Overtone AT Cut	30.001 – 35.999	100
	36.000 – 70.000	80

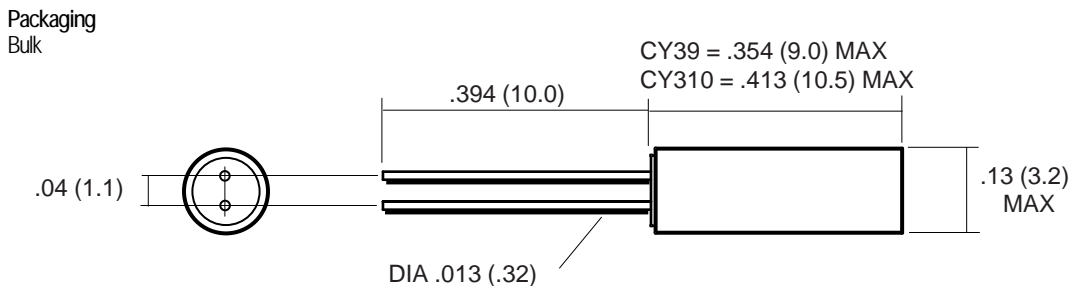
Consult factory for available frequencies and specs.

Not all options available for all frequencies. A special part number may be assigned.

Consult factory for lower ESR

Mechanical: inches (mm) not to scale

Due to part size and factory abilities, part marking may vary from lot to lot and may contain our part number or an internal code.



May 2002