

MV-CT32K-CYL61 is a Crystal (XTAL) . This Crystal is a 32.768 kHz Tuning Fork resonator and comes in a Cylindrical Cylindricalmm package.

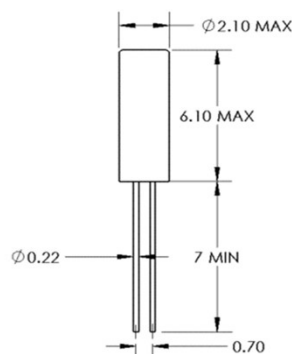
The device is qualified to meet the JEDEC standard for Pb-Free assembly and compliant to the RoHS directive.

### Electrical Performance

Parameter	Min	Typ	Max	Units
<b>General</b>				
Output Frequency		32.768		kHz
Mode		Tuning Fork		
Operating Temperature		-10/+70		°C
Storage Temperature	-10/+70 °C	Storage Temperature		°C
Stability Over Temperature		±100		ppm
Frequency Tolerance ( 25°C ±3°C)		±20		ppm
Aging			±3	ppm/year
Drive Level			1	µW
Package Size		Cylinder, (6.1mm) Through Hole		
<b>Equivalent Circuit</b>				
Load Capacitance (CL)		6 to 32		pF
Shunt Capacitance (C0)		0.9 ~ 2.0		pF
Motional Capacitance (C1)		1.8 ~ 4.2		fF
Equivalent Series Resistance (ESR)			50	KΩ

### Package Information

Pin #	Function
Pin 1	Crystal Terminal
Pin 2	Crystal Terminal



Package Outline Drawing

Ordering Information

**MV-CT32K-CYL61 - J A x xx - 32K76800**

Crystal, Tuning Fork

Cylinder, (6.1mm) Through Hole, 2 Leads

① ② ③ ④

Frequency

① Temp Range

J: -10/+70 °C

② Freq Tolerance

A: ±100 ppm

③ Initial Tolerance

F: ±20 ppm

④ Load Capacitance

F0: 6.0 pF

G0: 7.0 pF

J0: 9.0 pF

M5: 12.5 pF

XX: Other (CL) Ordering Codes

**Ordering Option Notes:**

- 1 For XX: Other Load Capacitance ordering codes (<http://datasheets.mv-electronics.com/XTAL-LoadCap.pdf>)