

MV-CT32K-1612A is a Crystal (XTAL) . This Crystal is a 32.768 kHz Tuning Fork resonator and comes in a hermetic ceramic 1.6x1.2mm package.

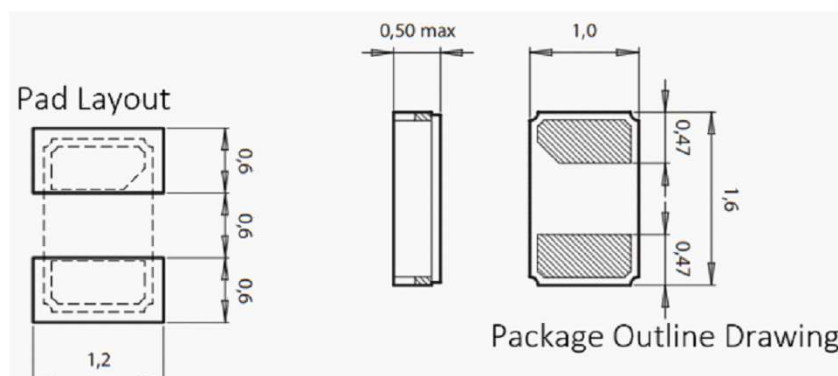
The device is qualified to meet the JEDEC standard for Pb-Free assembly and compliant to the RoHS directive.

Electrical Performance

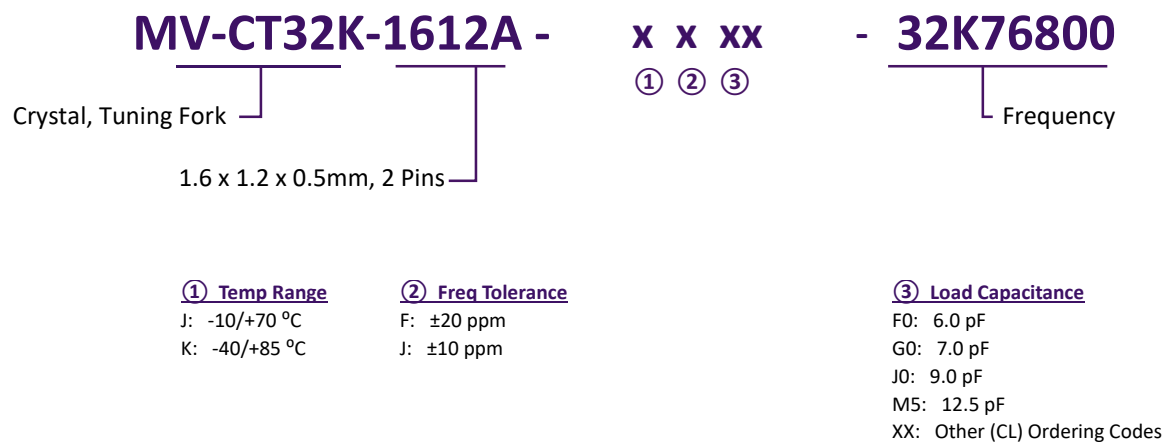
Parameter	Min	Typ	Max	Units
General				
Output Frequency		32.768		kHz
Mode		Tuning Fork		
Operating Temperature		-10/+70 to -40/+85		°C
Storage Temperature		-55/+125		°C
Frequency Tolerance (25°C ±3°C)		±20 to ±10		ppm
Aging			±5	ppm/year
Frequency Coefficient (β)		-0.03		ppm/°C ²
Turnover Temperature		25 ±5		°C
Drive Level		0.1	0.5	μW
Package Size		1.6 x 1.2 x 0.5		mm
Equivalent Circuit				
Load Capacitance (CL)		6 to 32		pF
Shunt Capacitance (C0)			2.0	pF
Motional Capacitance (C1)		3.0		fF
Equivalent Series Resistance (ESR)			90	KΩ

Package Information

Pin #	Function
Pin 1	Crystal Terminal
Pin 2	Crystal Terminal



Ordering Code



Ordering Option Notes:

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