MV-CT32K-4818A

Crystal (XTAL)

4.8 x 1.8mm - Tuning Fork

MV-CT32K-4818A is a Crystal (XTAL) . This Crystal is a 32.768 kHz Tuning Fork resonator and comes in a Hermetic Ceramic 4.8x1.8mm package.

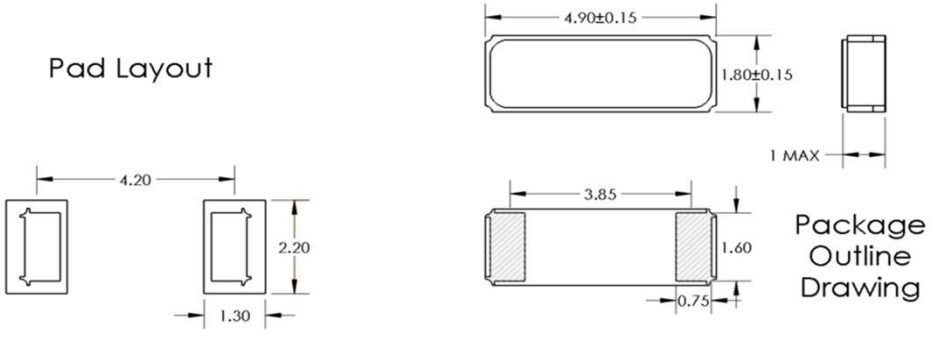
The device is qualified to meet the JEDEC standard for Pb-Free assembly and compliant to the RoHS directive.

Electrical Performance

Parameter	Min	Typ	Max	Units
General				
Output Frequency		32.768		kHz
Mode		Tuning Fork		
Operating Temperature		-10/+70 -40/+85		°C
Storage Temperature		-55/125		°C
Stability Over Temperature		±100		ppm
Frequency Tolerance (25°C ±3°C)		±20 ±10		ppm
Aging			±3	ppm/year
Frequency Coefficient (β)		-0.03		ppm/°C²
Turnover Temperature		25 ±5		°C
Drive Level			1	µW
Package Size		4.8 x 1.8 x 1.0		mm
Equivalent Circuit				
Load Capacitance (CL)		6 to 32		pF
Shunt Capacitance (C0)		0.9 ~ 1.7		pF
Motional Capacitance (C1)		0.6 ~ 2.3		fF
Equivalent Series Resistance (ESR)			70	KΩ

Package Information

Pin #	Function
Pin 1	Crystal Terminal
Pin 2	Crystal Terminal



Ordering Information

MV-CT32K-4818A - x A x xx - 32K76800

① ② ③ ④

Crystal, Tuning Fork

4.8 x 1.8 x 1.0mm, 2 Pins

Frequency

① Temp Range
J: -10/+70 °C
K: -40/+85 °C

② Freq Tolerance
A: ±100 ppm

③ Initial Tolerance
J: ±10 ppm
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)