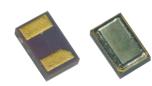
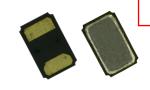




XK16 Series Quartz Crystal 32.768 kHz SMD Crystal 1.6 x 1.0mm

Tuning Fork Quartz Crystals





Not Recommended for New Design

1.6 x 1.0mm SMD Ceramic Molded Tuning Fork Crystal

Product Features

- Rugged, ceramic-molded, resistant to shock and vibration
- Excellent resistance to heat shock and environmental characteristics
- Ideally suited for automated pick-and-place assembly environments
- Available on tape & reel; 8mm tape; 5000 units per reel
- Pb-free and RoHS/Green Compliant

Product Description

The XK16 Series is a 32.768 kHz tuning fork type quartz crystal mounted in a ceramic-molded package.

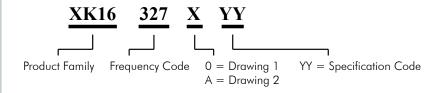
Applications

- Real-Time Clocks
- Reference for Microprocessors' Low Power and Standby Modes
- Time Display Devices
- Smart Meters
- POS
- Networking

Electrical Specification:

Nominal Frequency	f	32.768 kHz
Frequency Tolerance at 25°C		±20ppm, ±10ppm
Turnover Temperature	T ₀	25°C±5°C
Temperature Coefficient	K	-0.03 +/- 0.01 ppm/°C ² Typical
Load Capacitance	C_L	7.0 pF, 9.0 pF, 12.5 pF ⁽¹⁾
Equivalent Series Resistance	Rs	90KΩ max
Shunt Capacitance	C ₀	1.25pF typical
Motional Capacitance	C_1	6.5fF typical
Drive Level	DL	0.5μW max.
Operating Temperature Range		-40 to +85°C
Storage Temperature Range		-55 to +125°C
Reflow Temperature		260°C max, 10 Second

Part Ordering Information:



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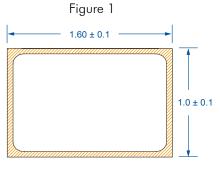
^{1.} Other capacitance values are available. Please contact Diodes sales.

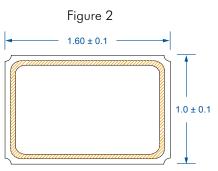


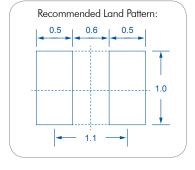


A product Line of Diodes Incorporated PERICOM* XK16 Series Quartz Crystal 32.768 kHz SMD Crystal | 1.6 x 1.0mm

Package: (Scale: none; dimensions are in mm)







Xtal

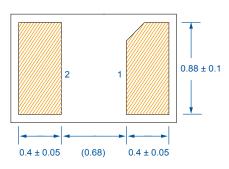
Xtal

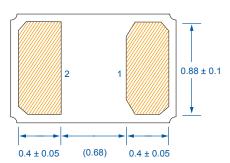




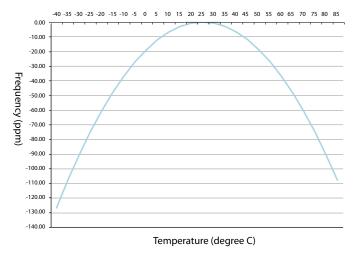


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Typical Temperature Characteristic:



Frequency Deviation at Temperature T $Df/f = K(T_0 - T)^2$

Tuning Fork Quartz Crystals XK16



A product Line of Diodes Incorporated PERICOM* XK16 Series Quartz Crystal 32.768 kHz SMD Crystal | 1.6 x 1.0mm

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