



**32.768KHz CMOS CLOCK OSCILLATOR IN 4x2.5x0.9 mm SMD PACKAGE : XO42-32K768**

**FEATURES**

- RoHS Compliant (Pb-Free), Tight Stability over Temperature Range
- Popular 32.768KHz Square Wave Output, Very Low Power Consumption
- Tri-state Enable/Disable Standard; Broad Supply Voltage Option
- Leadless Chip Carrier (LCC) Ultra Small Package

**SPECIFICATIONS**

<b>Frequency</b>	32.768 KHz
<b>Input Voltage (Vcc)</b>	1.3 VDC to 5.5 VDC
<b>Input Current</b>	1.5 mA Maximum (at 3.3V)
<b>Storage Temperature</b>	-40°C to 85°C
<b>Frequency Stability</b>	+5 ± 20 ppm at 25°C, (Vcc = 3.3V)
<b>Frequency Stability vs Temp</b>	-120 ppm to +10 ppm /-20°C to 70°C
<b>Turnover Temperature</b>	25°C ± 5°C on parabolic curve
<b>Operating Temperature Range</b>	-20°C to 70°C
<b>Electric Option (Symmetry)</b>	Tristate 60/40%
<b>Output Load</b>	CMOS: 15 pF load
<b>Logic "1" / Logic "0" Level</b>	0.9Vcc Minimum / 0.1Vcc Maximum
<b>Rise/Fall Time (Tr/Tf)</b>	200 ns Maximum
<b>Start-up time</b>	3 second Maximum (3.3V, 25°C)
<b>Tristate Function</b>	Input (Pin 1) High (> 2.0V) or open: Output (Pin 3) active Input (Pin 1) Low (< 0.8V): Output disabled in high impedance
<b>Typical Part Number</b>	XO42-32K768

**OUTLINE DRAWING**

