



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

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

OUTLINE DRAWING

