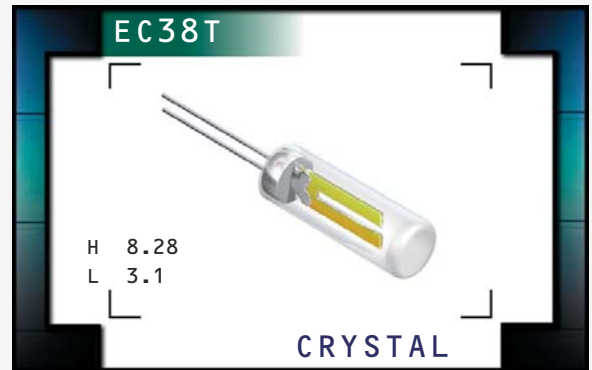


# EC38T Series

- 32.768kHz watch crystal
- Miniature cylindrical package
- $\pm 20$ ppm frequency tolerance
- 12.5pF load capacitance



## NOTES

### ELECTRICAL SPECIFICATIONS

Frequency	32.768kHz
Frequency Tolerance (at 25°C)	$\pm 20$ ppm
Frequency Stability	-0.042ppm / $(\Delta^\circ\text{C})^2$ Maximum, Parabolic; Turn Over Temperature at 25°C $\pm 5^\circ\text{C}$
Operating Temperature Range	-10°C to 60°C
Aging (at 25°C)	$\pm 3$ ppm / year Maximum
Storage Temperature Range	-20°C to 70°C
Shunt Capacitance	0.85pF Typical, 2pF Maximum
Motional Capacitance	2.0fF Typical
Drive Level	1 $\mu$ Watt Maximum
Equivalent Series Resistance	35,000 Ohms Maximum
Insulation Resistance	500 Megaohms Minimum at 100V <sub>DC</sub>
Load Capacitance (C <sub>L</sub> )	12.5pF

