A lightweight miniature, ultra thin smd tuning fork crystal produced at the ubiquitous frequency of 32.768kHz and vacuum sealed in a ceramic package.

The modern standard enclosure for volume applications combining small size and good tolerance over an extended temperature range.

3000 piece tape and reel packaging for automated assembly.

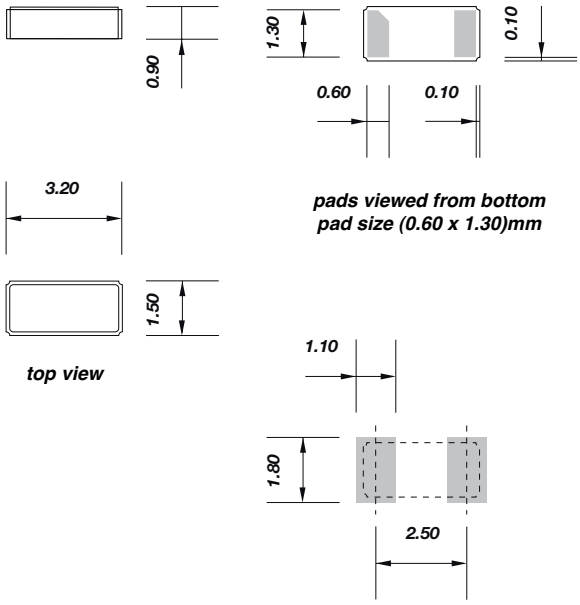
Ideally suited for portable and mobile telecommunication devices.

Custom specified with typical data as follows:

Specification data:

Environment	*high vacuum*
Quartz orientation	*flexure mode*
Frequency	*32.768kHz, esr 70kΩ max.*
Adjustment tolerance	*±20ppm at +25°C*
Temperature coefficient	*-0.04ppm/Deg C²*
Operating temperature	*(-40 +85)°C*
Storage temperature	*(-55 +125)°C*
Load	*12.5pF*
Shunt capacitance	*1.4pF typical*
Suggested drive level	*(0.1 ~ 0.5)µW*
Ageing	*±3ppm typical, first year max.*
Q factor	*30,000 typical*
Insulation resistance	*500Meg. Ω min. at 100Vd.c.*

Dimensions(mm)



pads are gold 2.5µ min. over nickel, suitable for vapour phase or reflow soldering, preheat +150°C for 2 minutes, peak temperature +250°C for 30 seconds max.

Frequency stability vs temperature range:

stability	***temperature range***		
±50ppm	*(-10 +60)°C*		
±100ppm	*(-10 +60)°C*	*(-20 +70)°C*	
±150ppm	*(-10 +60)°C*	*(-20 +70)°C*	*(-40 +85)°C*

Telephone: +1 905 623 4101, Fax: +1 905 623 3886
e-mail: sales@laptech.com website: www.laptech.com