



FEATURES

- Ultra Low Profile
- 0.9mm Height
- Long Term Stability
- Tape and Reel (3,000 pcs. STD)

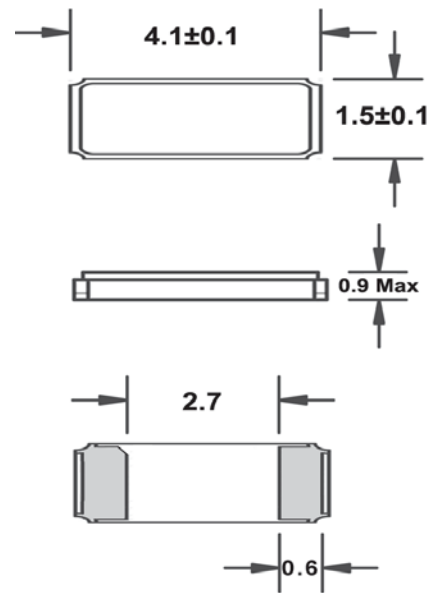
Quote it!

• PART NUMBER <small>Learn More - Internet Required</small>				
Part Number	Model Number	Frequency Stability	Operating Temperature	Frequency
740-0.032768-xxxxx	FX145	-0.04PPM/($\Delta^{\circ}\text{C}$) ²	-40 ~ +85 °C	32.768 kHz

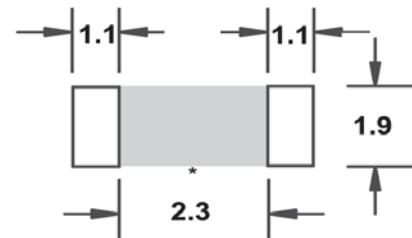
• STANDARD SPECIFICATIONS	
PARAMETERS	MAX (unless otherwise noted)
Frequency	32.768 kHz
Frequency Tolerance @ 25°C	±20 PPM
Frequency Stability Temperature Coefficient	-0.04 PPM / ($\Delta^{\circ}\text{C}$) ²
Temperature Range	
Turnover (To)	+20°C ~ +30°C
Operating (TOPR)	-40°C ~ +85°C
Storage (TSTG)	-55°C ~ +125°C
Equivalent Series Resistance (RS)	70 k Ω
Load Capacitance (CL)	12.5 pF (Standard) Others available
Insulation Resistance @ 100VDC	500 M Ω Min
Drive Level	1.0 μW
Aging per year	±5 PPM
Reflow Soldering Temperature	260°C x 10 Seconds (2 Cycles)
Moisture Sensitivity Level (MSL)	1
Termination Finish	Ni/Au

All specifications subject to change without notice. Rev. 5/17/05

Learn more about:
Part Marking Identification
Tape and Reel Specification
Internet required

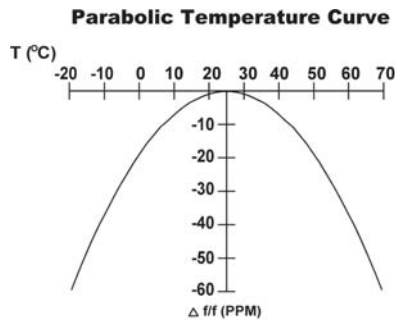


Recommended Solder Pad Layout



Do not route any traces in shaded area.

All dimensions are in millimeters.



To determine frequency stability, use parabolic curvature (K).
For example: What is stability at 45°C?

- 1) Change in T (°C) = 45-25 = 20°C
- 2) Change in frequency = -0.04 PPM * (ΔC)²
= -0.04 PPM * (20)²
= -16.0 PPM