

SMD Tuning Fork



Model: FX145

RoHS Compliant / Pb Free

Rev. 5/17/2005

Page 1 of 1

http://www.foxonline.com/need_a_sample.htm

Need a Sample®

FEATURES

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

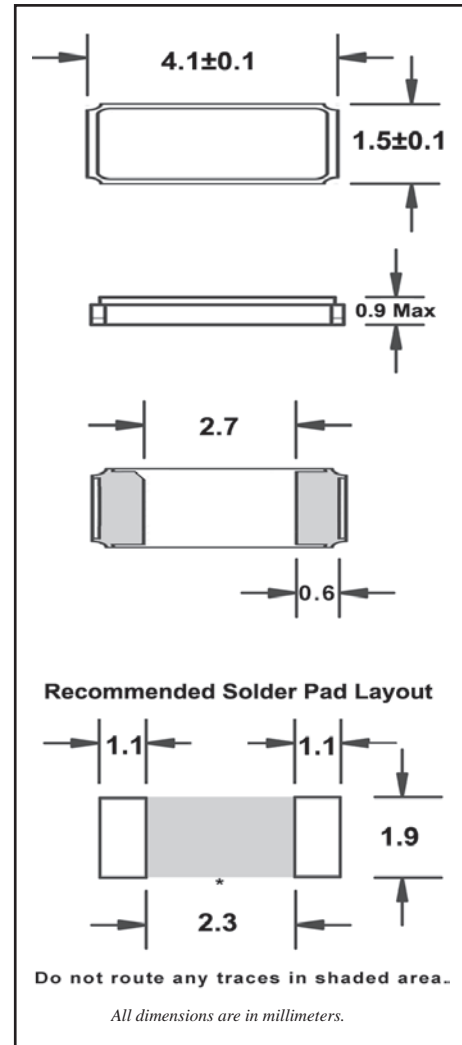
• PART NUMBER [Learn More](#) - Internet Required

Part Number	Model Number	Frequency Stability	Operating Temperature	Frequency
740-0.032768-xxxxx	FX145	-0.04PPM/(Δ°C) ²	-40 ~ +85 °C	32.768 kHz

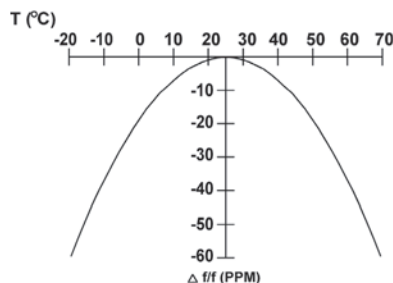
• STANDARD SPECIFICATIONS

PARAMETERS	MAX (unless otherwise noted)
Frequency	32.768 kHz
Frequency Tolerance @ 25°C	±20 PPM
Frequency Stability Temperature Coefficient	-0.04 PPM / (Δ°C) ²
Temperature Range	
Turnover (T _O)	+20°C ~ +30°C
Operating (T _{OPR})	-40°C ~ +85°C
Storage (T _{STG})	-55°C ~ +125°C
Equivalent Series Resistance (R _S)	70 kΩ
Load Capacitance (C _L)	12.5 pF (Standard) Others available
Insulation Resistance @ 100VDC	500 MΩ 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



Parabolic Temperature Curve



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 * (Δ C)²
= -0.04 PPM * (20)²
= -16.0 PPM