SMD Tuning Fork



Model: FSRLF

RoHS Compliant

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

Need a
Sample®

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FEATURES

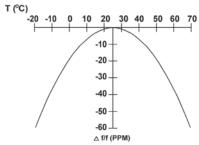
- Miniature Package
- 2.5mm Height
- Long Term Stability
- Tape and Reel (3,000 pcs. STD)

PART NUMBER Learn More - Internet Required						
Part Number	Model Number	Frequency Stability	Operating Temperature	Frequency		
414LF-Frequency-xxxxx	FSRLF	See table	-40 °C~ +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 (To)	+20°C ~ +30°C				
Operating (TOPR)	-40°C ~ +85°C				
Storage (TSTG)	-55°C ∼ +125°C				
Equivalent Series Resistance (Rs)	50 kΩ				
Load Capacitance (CL)	12.5 pF (Standard)				
	6 pF (Optional)				
Insulation Resistance @ 100VDC	500 MΩ Min				
Drive Level	1.0 μW				
Aging per year	±3 PPM				
Termination Finish	100% Sn				

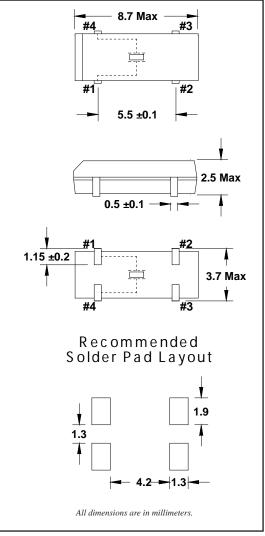
All specifications subject to change without notice.

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



Note: Pins #2 and #3 should be electrically unconnected (open).

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TAPE SPECIFICATIONS (millimeters)									
MODEL	Α	В	С	D	Е	F	STD Reel QTY		
FSRLF	Ø1.5	4.0	8.0	7.5	16.0	2.7	3,000		

REEL SPECIFICATIONS (millimeters)									
MODEL				J		L	M		
FSRLF	2.0	Ø13	Ø 21	Ø50/100	Ø330	16.4	2.0		

