

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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SMD Tuning Fork

Page 1 of 2

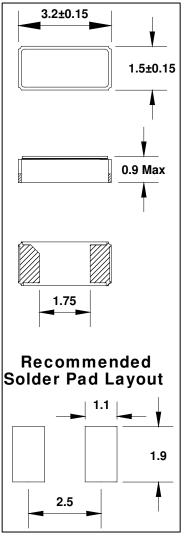
• K135 STANDARD SPECIFICATIONS						
PARAMETERS	MAX (unless otherwise noted)					
Frequency	32.768 kHz					
Frequency Tolerance @ 25°C	(See options on page 2)					
Frequency Stability	-0.04 PPM / (Δ°C)					
Temperature Coefficient	, ,					
Temperature Range						
Turnover (T _o)	+20°C ~ +30°C					
Operating (T _{OPR})	-40°C ~ +85°C					
Storage (T _{STG})	-55ºC ~ +125ºC					
Equivalent Series Resistance (R _S)	70 kΩ					
Load Capacitance (C _L)	(See options on page 2)					
Insulation Resistance @ 100V _{DC}	500MΩ Min					
Drive Level	1.0 μW					
	0.1 μW Typ					
Aging per year	±3 PPM					
Maximum Soldering Temp / Time	260°C / 10 Seconds					
Moisture Sensitivity Level (MSL)	1					
Termination Finish	Au over Ni					
Seal Method	Seam Seal					
Lead (Pb) Free	Yes					
RoHS/Reach Compliant	Yes					

-120

-140

-160

-180



All dimensions are in millimeters.

Note: Dimensional drawing is for reference to critical specifications defined by size measurements. Certain non-critical visual attributes, such as side castellations, etc. may vary.

ASA.	Title / Description: K135 STANDARD SPECIFICATIONS			
_32-	Drawing Number: 10097	Size: A		
FÖX	Part Number:	Cage: 61429		
	Draftsperson: CMR	Approved: BEC	Revision Date: 04/28/2017	

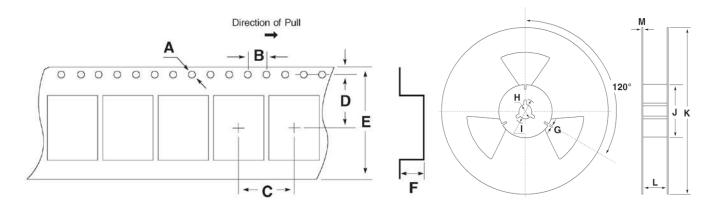


SMD Tuning Fork

K135 (former FX135) DATASHEET

Page 2 of 2

TAPE SPECIFICATIONS (millimeters)			• REE	L SPE	ECIFIC	OITA	NS (mi	llimeter	s)				
Α	В	С	D	E	F	STD Reel QTY	G	Н	- 1	J	K	L	M
Ø1.5	4.0	4.0	5.5	12.0	1.0	3,000	2.0	Ø13	Ø21	Ø60	Ø180	13.0	1.2



Available Options & Part Identification for SMD Tuning Fork Crystal K135 F K135 E I H M 0.032768

F	K135	E	I	Н	M	0.032768
FOX	Model <u>Number</u>	Tolerance E = 20 PPM H = 10 PPM	Stability I =-0.04 PPM / (Δ°C)	Load Capacitance B=6pF V=7pF W=9pF H=12.5pF	Operating <u>Temperature</u> M = -40 ~ +85°C	Frequency (MHz)



Corporate Headquarters

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