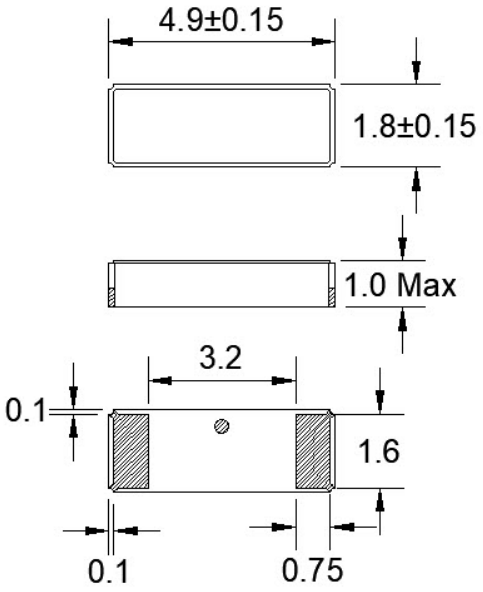
4.9 x 1.8mm SMD Tuning Fork

K255
(former FX255)
DATASHEET

STANDARD SPECIFICATIONS

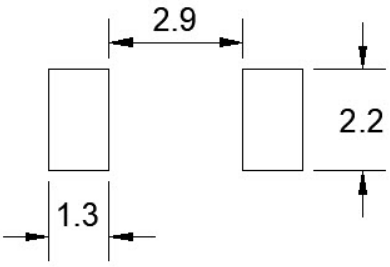
PARAMETERS	MAX (unless otherwise noted)
Frequency	32.768 kHz
Frequency Tolerance @ 25ºC	±20 PPM
Frequency Stability (Temperature Coefficient)	-0.04 PPM / (ΔºC)²
Temperature Range Turnover (T_O) Operating (T_{OPR}) Storage (T_{STG})	 +20ºC ~ +30ºC -40°C ~ +85°C -55ºC ~ +125ºC
Equivalent Series Resistance (R_S)	70 kΩ Max
Load Capacitance (C_L)	(See options on page 2)
Insulation Resistance @ 100VDC	500MΩ Min
Drive Level	1.0 µW 0.1 µW Typ
Aging per year	±3 PPM
Maximum Soldering Temp / Time	260ºC / 10 Seconds x2
Moisture Sensitivity Level (MSL)	1
Termination Finish	Au over Ni
Seal Method	Au/Sn
Lead (Pb) Free	Yes
RoHS/Reach Compliant	Yes

Mechanical / Dimensions (millimeters)**:**

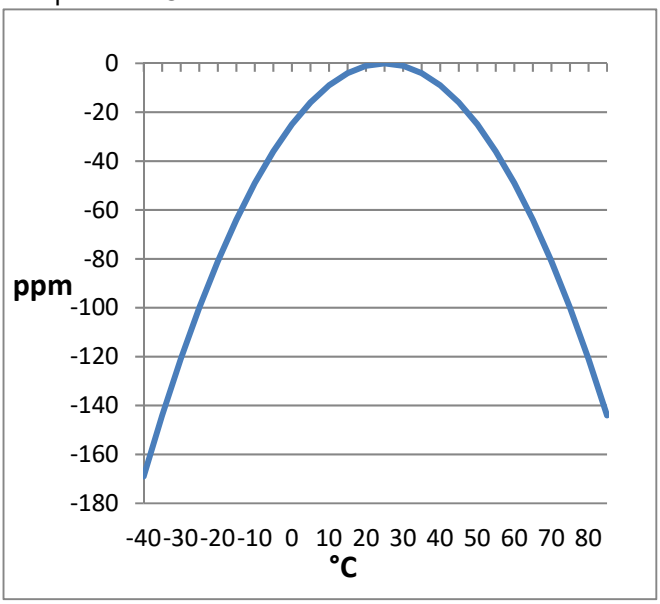


Dimensions in millimeters

Recommended Solder Pad Layout



Temperature Coefficient



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.

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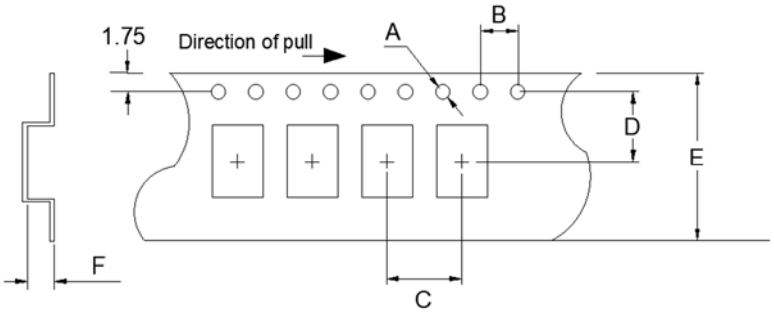
Title / Description: K255 STANDARD SPECIFICATIONS		
Drawing Number: K255-DOC-1		**Size:** A
Part Number:		**Cage:** 61429
Draftsperson: MAJ	**Approved:** BEC	**Revision Date:** 10/21/2019

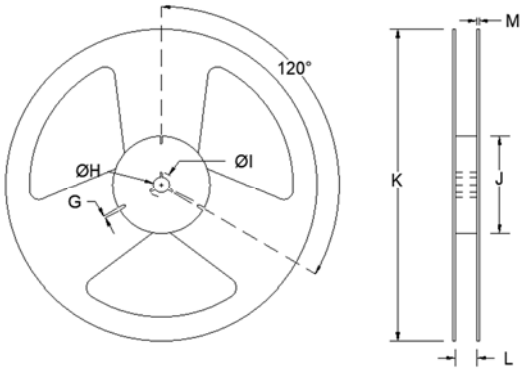
4.9 x 1.8mm SMD Tuning Fork

K255
(former FX255)
DATASHEET

• TAPE SPECIFICATIONS (millimeters)						
A	B	C	D	E	F	Reel QTY
∅1.5	4.0	8.0	5.5	12.0	0.8	T3=3,000

• REEL SPECIFICATIONS (millimeters)						
G	H	I	J	K	L	M
2.0	∅13	∅21	∅60	∅180	13.0	2.0





Available Options & Part Identification for SMD Tuning Fork Crystal K255

F K255 E I H M 0.032768

F	K255	E	I	H	M	0.032768
FOX	**Model Number**	**Tolerance** E = ±20ppm	**Stability** I =-0.04 PPM / $(\Delta°C)^2$	**Load Capacitance** V=7pF W=9pF **H=12.5pF**	**Operating Temperature** M = -40 ~ +85 °C	**Frequency (MHz)**

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