

STANDARD SPECIFICATIONS	
PARAMETERS	MAX (Unless otherwise noted)
Frequency Range	32.768 kHz
Frequency Tolerance @ 25°C	(See options below)
Frequency Stability, ref 25°C (Temperature Coefficient)	-0.04 PPM / (Δ°C) ²
Temperature Range	
Turnover (T ₀)	+20°C ~ +30°C
Operating (T _{OPR})	-40°C ~ +85°C
Storage (T _{STG})	-55°C ~ +125°C
Equivalent Series Resistance (R _S)	65 kΩ
Load Capacitance (C _L)	(See options below)
Insulation Resistance @ 100V _{DC}	500MΩ Min
Drive Level	1.0μW
Aging per year (@ 25°C)	±3 PPM
Maximum Soldering Temp / Time	260°C / 10 Seconds
Moisture Sensitivity Level (MSL) per J-STD-033	1
Termination Finish	Matte Sn
Lead (Pb) Free	Exemption 7a
RoHS Compliant	Yes
REACH Compliance	Notification of Lead (Pb) >0.1%(w/w)

DIMENSIONS / MECHANICAL SPECIFICATIONS

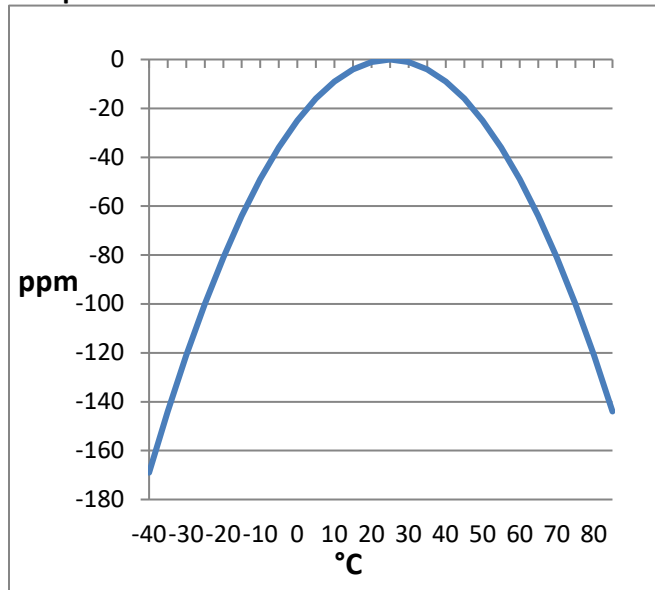
Dimensions (mm)

Recommended Solder Pad Layout

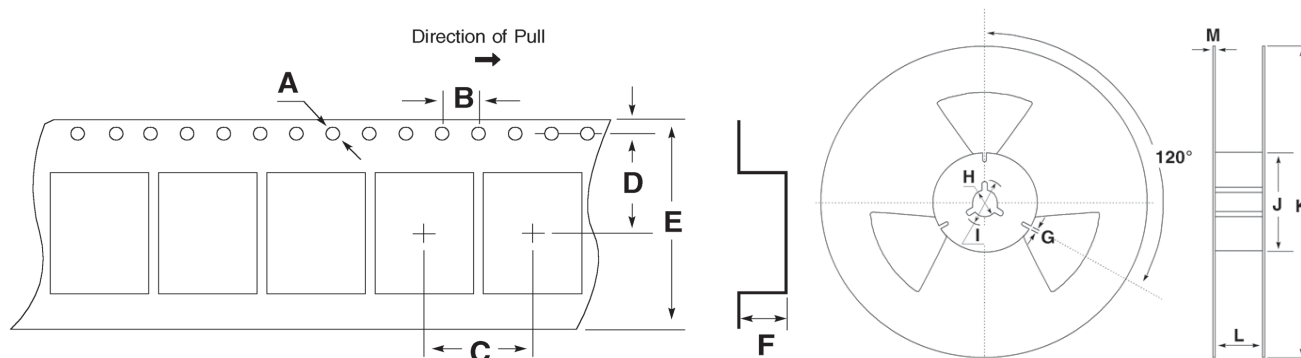
RoHS EXEMPTION 7a: High Temperature solder (>85% Pb) in crystal seal

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.

Temperature Coefficient



TAPE SPECIFICATIONS (mm)							REEL SPECIFICATIONS (mm)						
A	B	C	D	E	F	REEL QTY	G	H	I	J	K	L	M
Ø1.55	4.0	4.0	7.5	16.0	1.6	-T3 = 3,000	2.0	Ø13	Ø21	Ø50	Ø180	17.0	2.2



Available Options & Part Identification for SMD Tuning Fork Crystal FKFSX

Sample PN: **FKFSXEIHM0.032768-T3**

F	KFSX	E	I	H	M	0.032768	-T3
Fox	Model Number	Tolerance E = ±20ppm	Stability I = -0.04 PPM/ (Δ°C) ²	Load Capacitance V = 7pF H = 12.5pF	Operating Temperature M = -40 ~ +85°C	Frequency (MHz)	Values Added Options Blank = Bulk T3 = 3,000 pcs

Reliability Test Conditions

Please contact Abracon Quality Assurance department