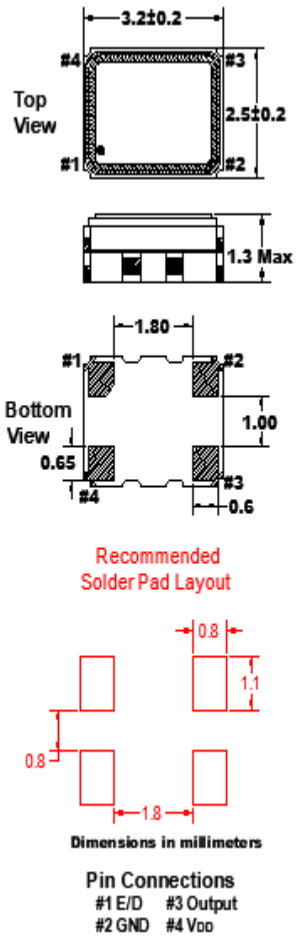
FB3HD

3.2mm x 2.5mm
HCMOS TCXO/VCTXO

STANDARD SPECIFICATIONS	
PARAMETERS	**MAX (Unless otherwise noted)**
Frequency Range	32.768 kHz
Temperature Range Operating (T_{OPR}) Storage (T_{STG})	 -40°C ~ +85°C -55°C ~ +105°C
Supply Voltage (V_{DD})	+3.3V ± 5%
Supply Voltage - Operable	1.5 ~ 5.5V
Input Current (I_{DD}) (No Load)	2.0µA
Initial Frequency Tolerance @ 25°C (after 2 reflows)	±3 PPM
Frequency Stability Over Temperature Range Over Supply Voltage Change (3.3V±5%) Over Load Change (15pF ±5%)	 ±5.0 PPM ±0.3 PPM ±0.3 PPM
Rise Time (20% ~ 80% V_{DD}) Fall Time (80% ~20% V_{DD})	100nS 100nS
Symmetry (50% V_{DD})	40% ~ 60%
Output Voltage (VOL) (VOH)	0.4V V_{DD} – 0.4V min
Output Load (C_L)	15pF
Aging per year (@ 25°C)	±3.0 PPM
Startup Time (T_S)	3.0 Seconds
Temperature Compensation Voltage (VTEMP)	V_{DD} = 2.0V min
Reflow Soldering Temp	260˚C / 10 Seconds x 2
Moisture Sensitivity Level (MSL)	1
Termination Finish	Au (0.3~1µm) over Ni (1.27~8.89µm)
Lead-Free	Yes
RoHS/REACH Compliant	Yes

DIMENSIONS / MECHANICAL SPECIFICATIONS



All specifications subject to change without notice

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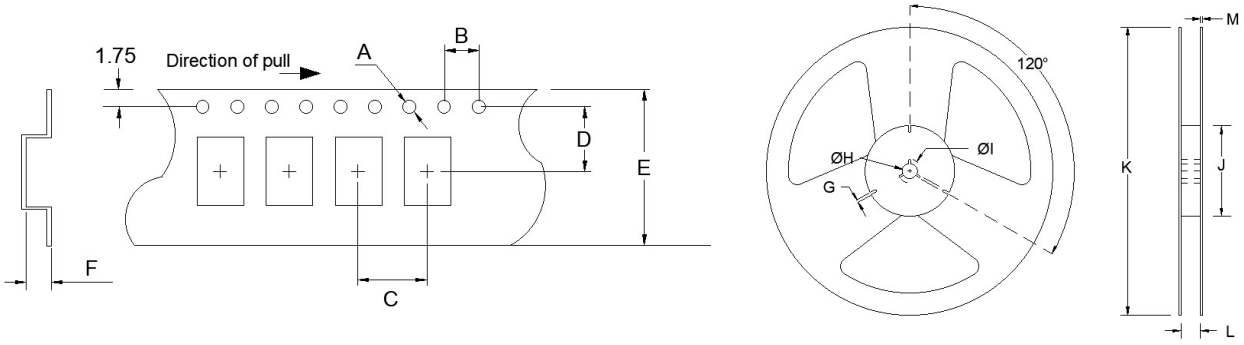
TAPE SPECIFICATIONS (mm)							REEL SPECIFICATIONS (mm)						
A	B	C	D	E	F	REEL QTY	G	H	I	J	K	L	M
ø1.55	4.0	4.0	3.5	8.0	1.4	**-T3 = 3,000 default** -T2 = 2,000 -T1 = 1,000	2.0	Ø13	Ø21	Ø60	Ø180	9.0	1.25



Available Options & Part Identification for TCXO Model B3HD Sample PN: **FB3HDBLM0.032768-T3**						
F	**B3HD**	**B**	**L**	**M**	**0.032768**	**-T3**
Fox	**Model Number**	**Tolerance** **B = +3.3V±5%**	**Stability** **L = ±5.0 PPM**	**Operating Temperature** **M = -40 to +85°C**	**Frequency (MHz)**	**Values Added Options** Blank = Bulk T1 = 1,000 pcs T2 = 2,000 pcs **T3 = 3,000 pcs**

Reliability Test Conditions
Please contact Abracon Quality Assurance department

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