

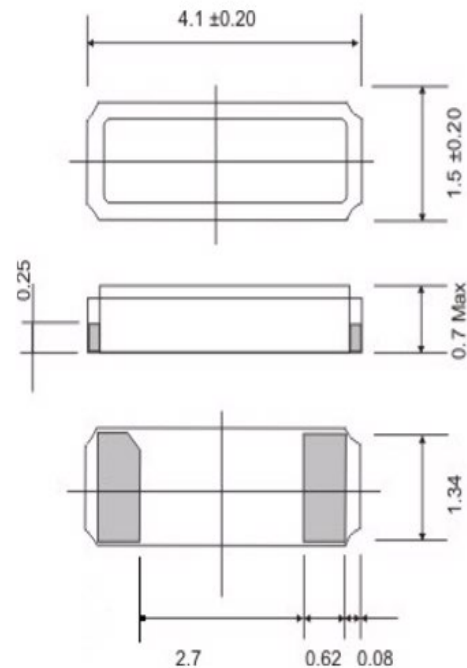
Features

- SMD Tuning Fork Crystal Resonator
- Tolerance and Stability: $\pm 20\text{ppm}$
- Operating Temperature -40°C to $+85^{\circ}\text{C}$

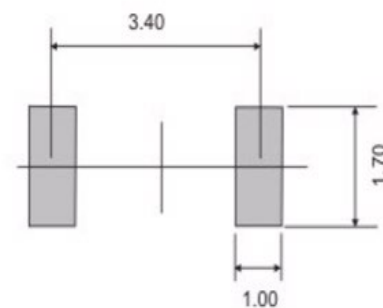
STANDARD SPECIFICATIONS

PARAMETERS	MAX (Unless otherwise noted)
Frequency Range	32.768000kHz
Resonance Mode	Fundamental
Frequency Tolerance @ 25°C	$\pm 20\text{PPM}$
Frequency Stability, ref 25°C	-0.034PPM
Temperature Range	
Operating (TOPR)	-40°C to $+85^{\circ}\text{C}$
Equivalent Series Resistance (ESR)	50,000 Max Ohm
Shunt Capacitance (C0)	1.3pF Typ
Ageing	$\pm 5\text{ppm}$ (1st Year Max)
Load Capacitance	12.5 pF
Drive Level	1.0uW Max
Dynamic Capacitance (C1)	1.9fF Typ fF
Q Factor	60000 Typ
Maximum Soldering Temp / Time	260°C / 10 seconds x2
Moisture Sensitivity Level (MSL) per J-STD-033	1
Termination Finish	Au over Ni
Seal Method	Not Specified
Lead (Pb) Free	Yes
RoHS Compliant	Yes

DIMENSIONS/MECHANICAL SPECIFICATIONS



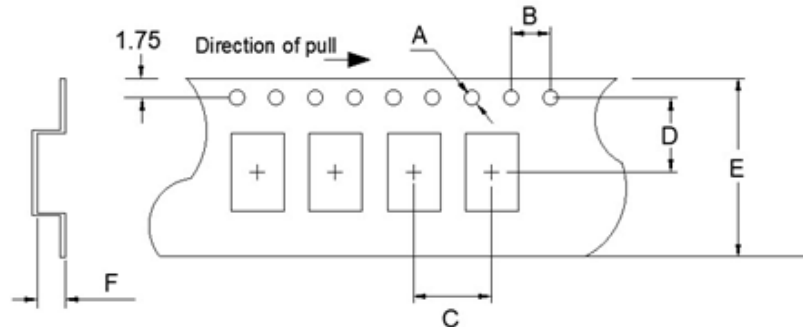
Recommended
Solder Pad Layout



Dimensions are in mm

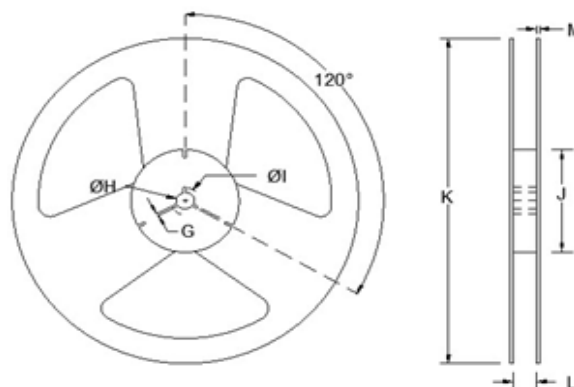
TAPE SPECIFICATIONS (mm)

A	B	C	D	E	F	REEL QTY
Ø1.5	4.0	4.0	5.5	12.0	0.65	3,000



REEL SPECIFICATIONS (mm)

G	H	I	J	K	L	M
2.0	Ø13	Ø 21	Ø60.5	Ø180	14.0	2.0



RELIABILITY TEST CONDITIONS

Please contact Abracon Quality Assurance department