

The ultra-miniature ECX-12Q is a very compact SMD AEC-Q200 Qualified Tuning Fork Crystal.

[Request a Sample](#)

OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

ECX-12Q SMD CRYSTAL



- RoHS Compliant (2011/65/EU)
- MSL: 1
- AEC-Q200 Qualified
- TS16949 certified production
- PPAP Supported

DIMENSIONS (mm)

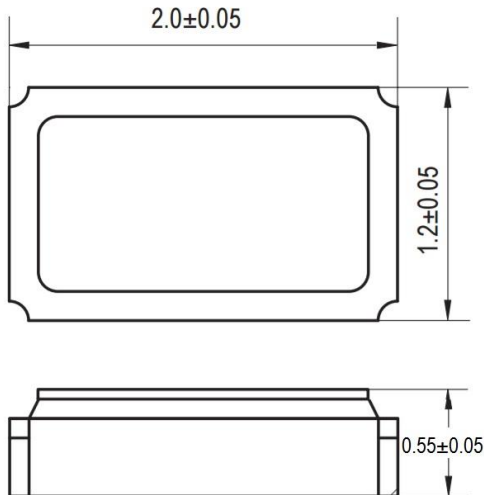
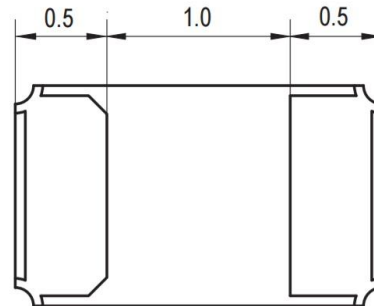


Figure 1) Top, Side, and Bottom views



PAD CONNECTIONS

1	In/Out
2	Out/In

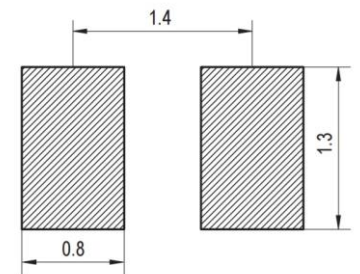


Figure 2) Suggested Land Pattern

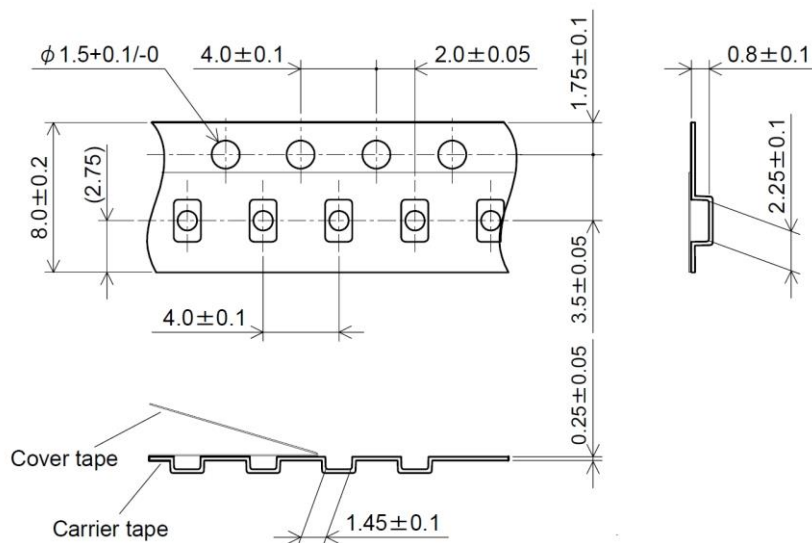
PART NUMBERING GUIDE: Example ECS-.327-12.5-12QS-TR

ECS - FREQUENCY ABBREVIATION	LOAD CAPACITANCE	PACKAGE	TOLERANCE	OPERATING TEMPERATURE	PACKAGING
ECS	.327 = 32.768 KHz	12.5 = 12.5 pF 9 = 9 pF 7 = 7 pF	-12Q = ECX-12Q	Blank = ±20ppm * C = ± 10 ppm	N=-40 ~ +85°C S=-40 ~ 125°C
					TR = Tape & Reel 3K/Reel

*Contact ECS for availability

Rev.2018

POCKET TAPE DIMENSIONS (mm)



SOLDER PROFILE

Peak solder Temp $+260^{\circ}\text{C}$ Max 10 sec Max.

2 Cycles Max.

MSL 1, Lead Finish Au

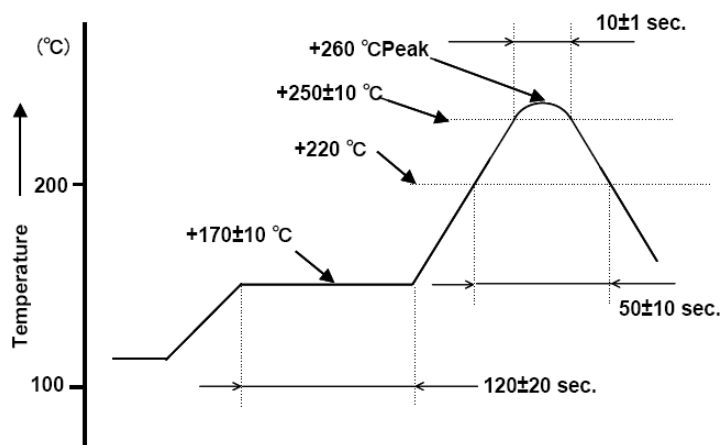


Figure 1) Suggested Reflow Profile