- 3.2 x 1.5 mm Footprint
- MSL 1
- Lead Finish Au (0.7~ 1.2 µm)
- -40 ~ +125℃ Operating Temp
- RoHS 2011/65/EU Compliant
- REACH Compliant

ECX-34S

SMD TUNING FORK CRYSTAL

The ultra-miniature ECX-34S is a very compact SMD Tuning Fork Crystal with a -40 ~ +125℃ Operating Temperature. The 3.2 x 1.5 x 0.9 mm ceramic package is ideal for today's SMD manufacturing environment.

OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

PARAMETERS	CONDITIONS	ECX-34S			UNITS
		MIN	TYP	MAX	
Frequency	F_O		32.768		KHz
Frequency Tolerance	@ +25℃			± 20	ppm
Load Capacitance	Specify in P/N		12.5		pF
Drive Level	D_L		0.1	1.0	µW
Equivalent Series Resistance	R_1			70K	Ω
Turnover Temperature		+20	+25	+30	℃
Temperature Coefficient			-0.034	-0.040	ppm/℃²
Shunt Capacitance	C_O		1.05		pF
First Year Aging	+25℃ ±3℃			± 3	ppm
Operating Temperature	T_{opr}	-40		+125	℃
Storage Temperature	Tstg	-55		+125	℃
Insulation Resistance	@ 100V DC	500M			Ω

TOP, BOTTOM, SIDE VIEWS & LAND PATTERN

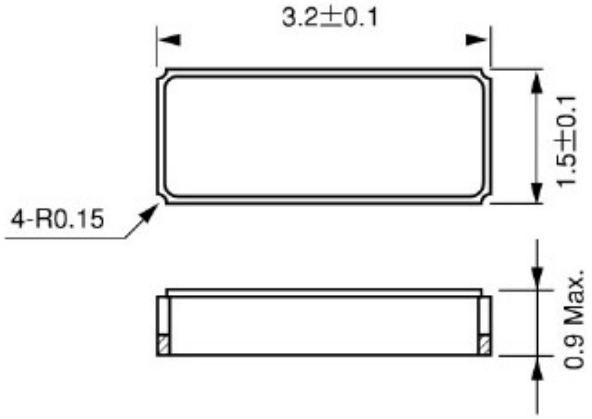


Figure 1) Top and Side View

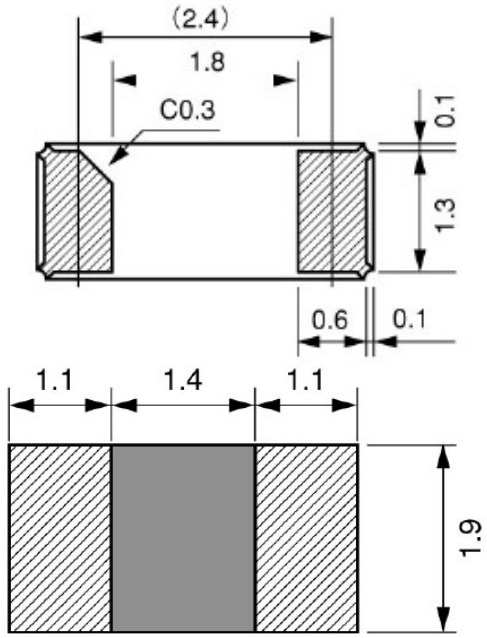


Figure 2) Bottom View and Suggested Land

PART NUMBERING GUIDE: Example ECS-.327-12.5-34S-TR

ECS -	Frequency Abbreviation -	Load Capacitance -	Package Type -	Packaging
	.327 = 32.768 KHz	12.5 = 12.5 pF 6 = 6.0 pF	-34S = ECX-34S	-TR = Tape & Reel 3K/Reel

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ECS:

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