



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

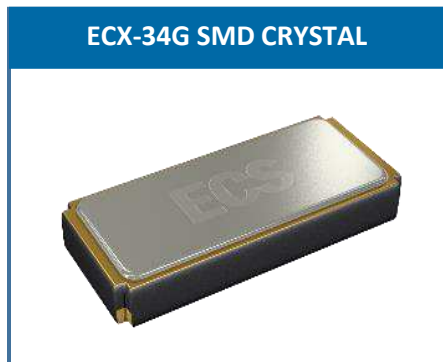
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The sub miniature ECX-34G is a compact SMD tuning fork Crystal. The 3.2 x 1.5 x 0.9 mm ceramic package is ideal mobile devices, IOT and low noise applications.

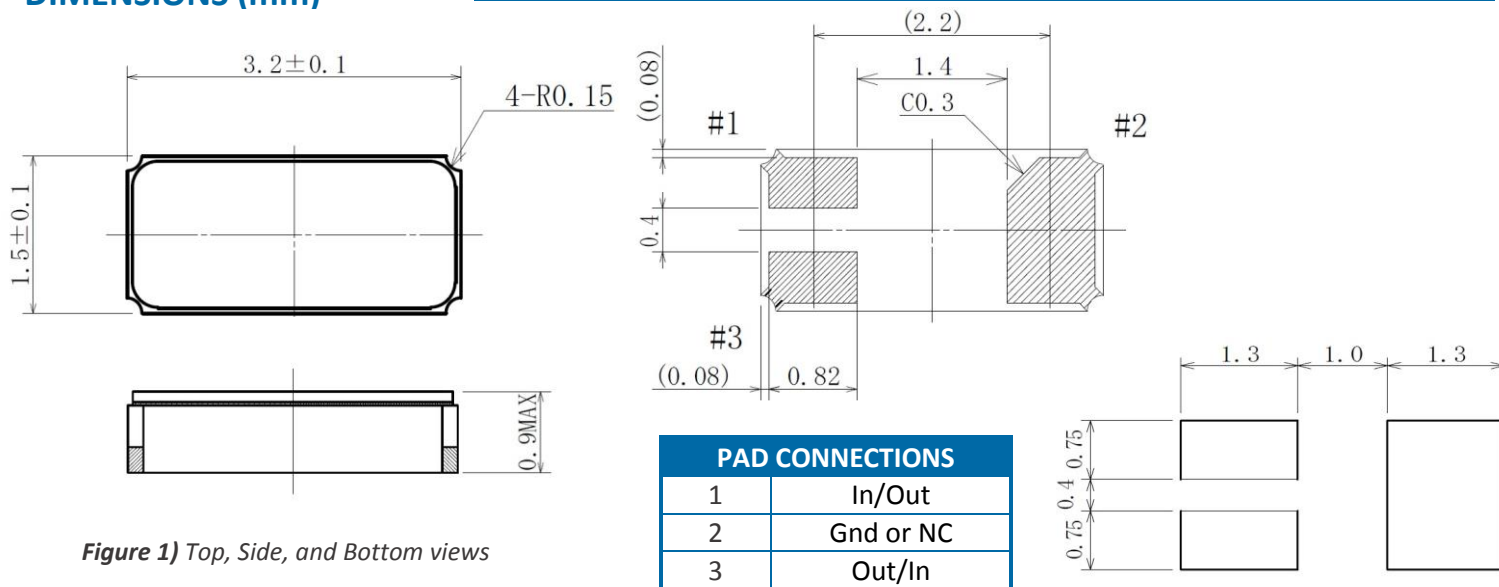


- Grounded Metal Cover
- 3.2 x 1.5 mm Footprint
- Extended Temp Range
- RoHS Compliant

OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

PARAMETERS	CONDITIONS	ECX-34G			UNITS
		MIN	TYP	MAX	
Frequency			32.768		KHz
Frequency Tolerance	at +25°C			± 20	°C
Frequency Stability	-40 to +85°C	-0.028	-0.034	-0.040	ppm/°C ²
Shunt Capacitance	Co		0.75		pF
Load Capacitance	Specify in P/N		12.5		pF
Drive Level				1	μW
Equivalent Series Resistance	R1			70K	Ω
Quality Factor	Q		30K		
Turnover Temperature		+20	+25	+30	°C
Operating Temperature		-40		+85	ppm
Storage Temperature		-55		+125	ppm
Aging (First Year)	@ +25°C ±3°C			±3	ppm

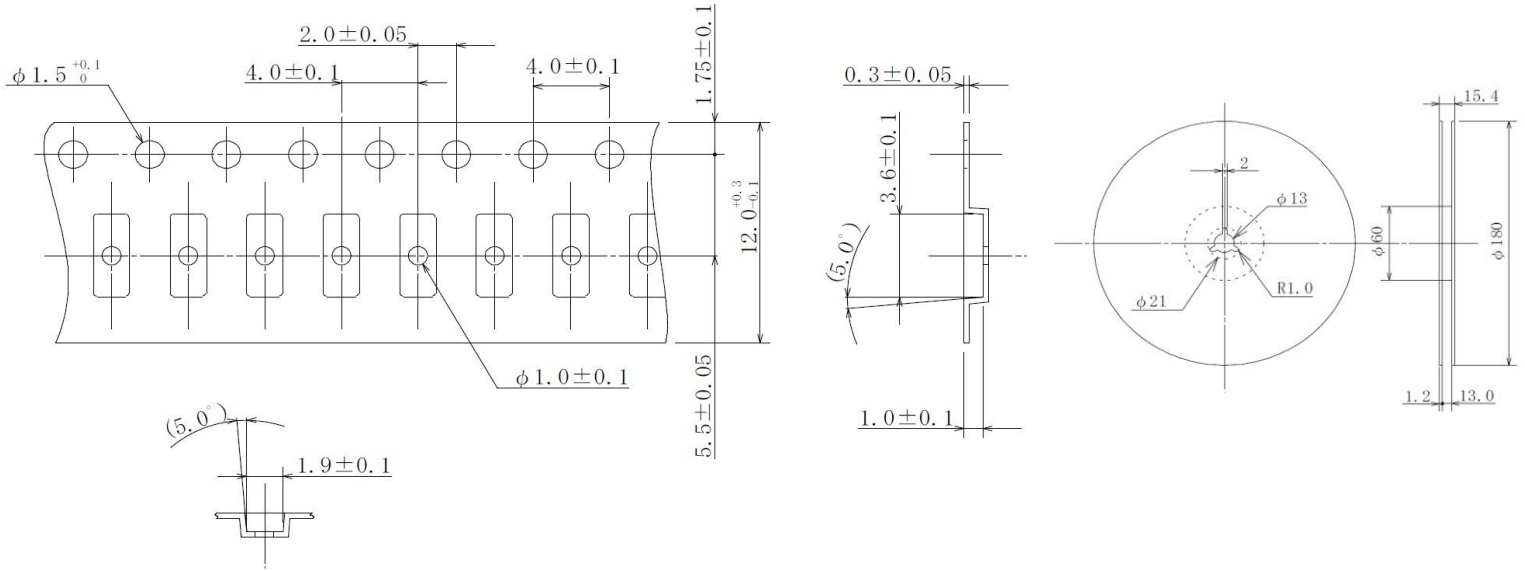
DIMENSIONS (mm)



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

ECS - FREQUENCY ABBREVIATION	LOAD CAPACITANCE	PACKAGE	CUSTOM OPTIONS Tolerance	PACKAGING
ECS	.327 = 32.768 KHz 12.5 = 12.5 pF 6 = 6 pF	34G = ECX-34G	Blank = ±20 ppm * C = ± 10 ppm	TR = Tape & Reel 3K/Reel

POCKET TAPE & Reel DIMENSIONS



SOLDER PROFILE
Peak solder Temp +260°C Max 10 sec Max.
2 Cycles Max.
MSL 1, Lead Finish Au

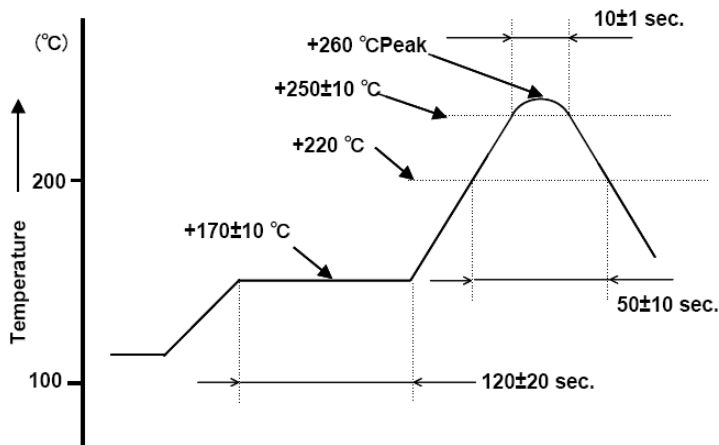


Figure 1) Suggested Reflow Profile