

ECX-1210 32.768 KHz SMD Tuning Fork Crystal



UNITS

KHz

ppm

pF

μW

Ω

°C

ppm/°C²

pF

ppm

°C

°C

Request a Sample

MIN

+20

-0.02

-40

-40

ECX-1210

32.768

12.5

0.1

+25

-0.03

1.1

MAX

+20*

0.5

90K

+30

-0.040

±3

+85

+85

ΤΥΡ

OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

CONDITIONS

@ +25°C

Specify in P/N

DL

R1

Со

@ +25°C ±3°C

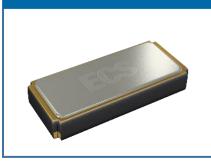
Topr

Tstg

ECX-1210 SMD CRYSTAL

wearable devices, IoT, and medical applications.

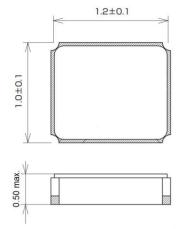
The 1.2 x 1.0 x 0.5 mm smallest in it's class ceramic package is ideal for



• Low Profile

- 1.2 x 1.0 mm Footprint
- Extended Temp. Range
- RoHS Compliant
- Applications: Automotive, COTS, Industrial, IOT

DIMENSIONS (mm)



0.35 2-00.15

0.75

PARAMETERS

Frequency Tolerance

Turnover Temperature

Shunt Capacitance

Aging (First Year)

Equivalent Series Resistance

Temperature Coefficient

Operating Temperature

Storage Temperature

Load Capacitance

Frequency

Drive Level

PAD CONNECTIONS			
1	In/Out		
2	Out/In		

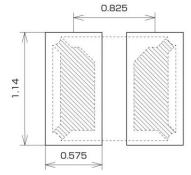


Figure 2) Suggested Land Pattern

Figure 1) Top, Side, and Bottom views

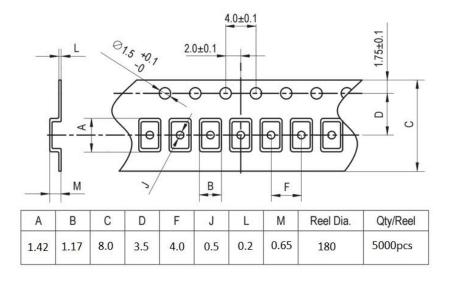
PART NUMBERING GUIDE: Example ECS-.327-12.5-1210-TR

ECS - FREQUENCY ABBREVIATION	LOAD CAPACITANCE	PACKAGE	CUSTOM OPTIONS Tolerance	PACKAGING
ECS .327 = 32.768 KHz	12.5 = 12.5 pF 9 = 9 pF 7 = 7 pF	-1210 = ECX-1210	Blank = ±20 ppm * C = ± 10 ppm	TR = Tape & Reel 5K/Reel





POCKET TAPE DIMENSIONS (mm)





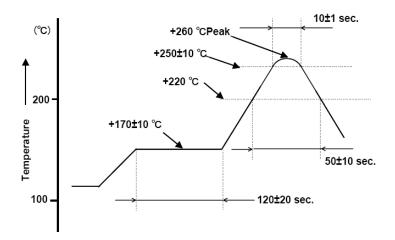


Figure 1) Suggested Reflow Profile