

The ECX-306X is a compact SMD Tuning Fork Crystal. The 3.8 x 8.0 x 2.5 mm package is ideal for communications and measuring equipment.

ECX-306X SMD CRYSTAL

Request a Sample

MIN

+20

-0.028

-40

-55

500M

CONDITIONS

Fo

@ +25°C

Specify in P/N

Dl

R1

Со

@ +25°C ±3°C

Topr

Tstg @ 100V DC

OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

ECX-306X

32.768

12.5

+25

-0.034

1.35

MAX

± 20 *

1.0

50K

+30

-0.040

±3

+85

+125

ΤΥΡ



UNITS

KHz

ppm

pF

μW

Ω

°C

ppm/°C²

pF

ppm

°C

°C

Ω

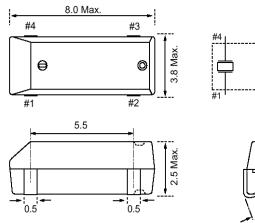
ECX-306X SMD CRYSTAL

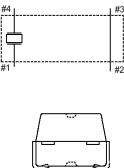


• Low Profile

- Long Term Stability
- Industry Standard Footprint
- Extended Temp. Range
- RoHS Compliant
- Low Power RTC Applications such as STM32 AN2867

DIMENSIONS (mm)





PARAMETERS

Frequency Tolerance

Turnover Temperature

Shunt Capacitance

Aging (First Year)

Temperature Coefficient

Operating Temperature

Storage Temperature

Insulation Resistance

Equivalent Series Resistance

Load Capacitance

Frequency

Drive Level

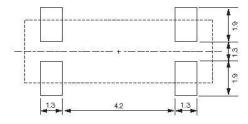


Figure 2) Suggested Land Pattern

Figure 1) Top, Side, and End views

PART NUMBERING GUIDE: Example ECS-.327-12.5-17X-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 6 = 6 pF	17X = ECX-306X	Blank (Std) = ±20 ppm * C = ± 10 ppm	TR = Tape & Reel 3K/Reel

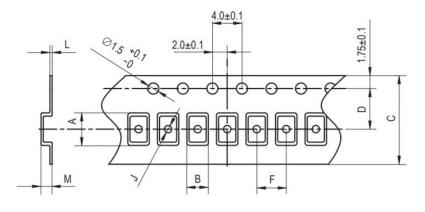
*Contact ECS for availability

Rev.2020





POCKET TAPE DIMENSIONS (mm)



Α	В	С	D	F	J	L	М	Reel Dia.	Qty/Reel
8.3	4.0	16.0	7.5	8.0	1.6	0.3	2.7	330	3000pcs

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

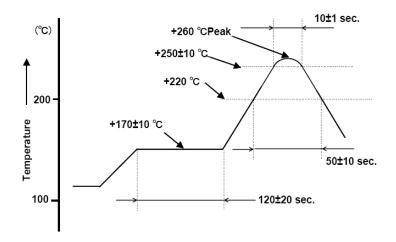


Figure 1) Suggested Reflow Profile