

The miniature ECS-2318 is a miniature SMD CMOS Crystal Oscillator. The 3.2 x 2.5 x 1.0 mm ceramic package is ideal for low voltage applications.

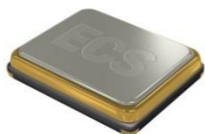
ECS-2318

SMD CRYSTAL OSCILLATOR

[Request a Sample](#)

OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

ECS-2318 SMD XO



- Low Profile
- 3.2 x 2.5 mm Footprint
- Extended Temp Range
- RoHS Compliant

DIMENSIONS (mm)

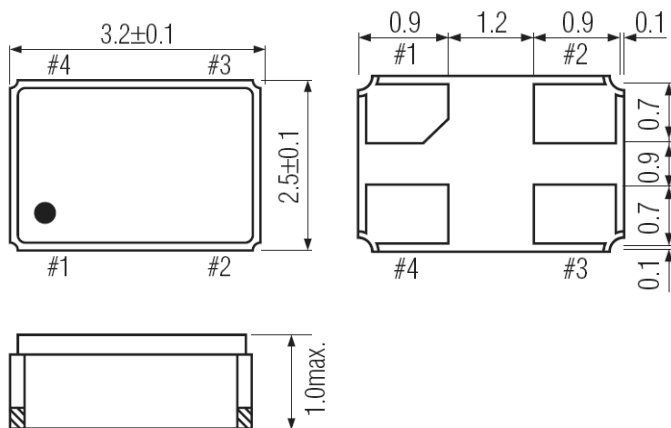


Figure 1) Top, Side, and Bottom views

PAD CONNECTIONS

1	Tri-state
2	Ground
3	Output
4	Vdd

Tri State Function

Pin 1	Output
High or NC	Active
Low	High Impedance

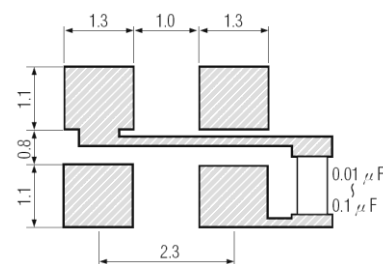


Figure 2) Suggested Land Pattern

PART NUMBERING GUIDE: Example ECS-2318-200-BN-TR

ECS -	SERIES	FREQUENCY ABBREVIATION	STABILITY	TEMP RANGE	PACKAGING
	2318 3.2 x 2.5 mm +1.8V	200 = 20.000 MHz See Developed Frequencies Pg.2	A = ± 100 ppm B = ± 50 ppm C = ± 25 ppm **D = ± 20 ppm	Blank = -10 ~ +70°C M = -20 ~ +70°C N = -40 ~ +85°C	TR = Tape & Reel 1K/Reel

* Inclusive of +25°C tolerance, operating temperature, input voltage change, load change, shock and vibration.

** Contact ECS for availability over -40 ~ +85°C.

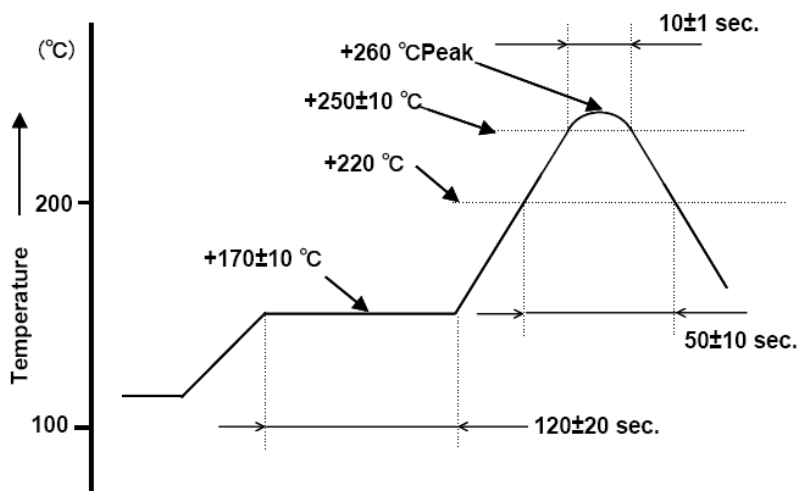
Rev.2017

FREQUENCY ABBREVIATIONS

FREQUENCY MHz	CODE
10.000	100
12.000	120
16.000	160
19.200	192
20.000	200
24.000	240
25.000	250
26.000	260
27.000	270
32.000	320
40.000	400
44.000	440
50.000	500

SOLDER PROFILE

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



POCKET TAPE DIMENSIONS (mm)

