



THE DATASHEET OF ECS-3225S33-500-FN-TR

The miniature ECS-3225S is a miniature SMD HCMOS Tight Stability Crystal Oscillator. The 3.2 x 2.5 x 0.9 mm ceramic package is ideal for wireless and IOT application where stability is critical.

[Request a Sample](#)

OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS



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

DIMENSIONS (mm)

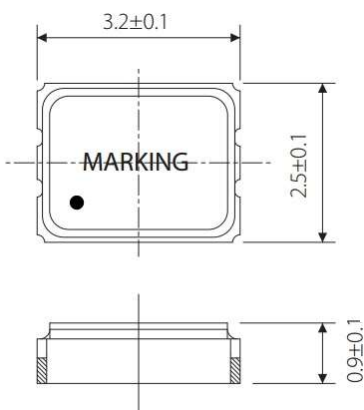
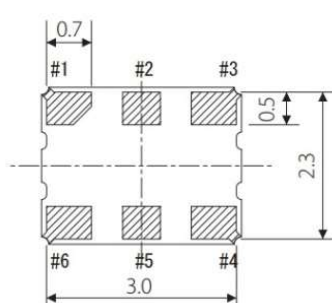


Figure 1) Top, Side, and Bottom views



PAD CONNECTIONS	
1	Tri-state
2	No Connect
3	Ground
4	Output
5	No Connect
6	Vdd

Tri State Function	
Pin 1	Output
High or NC	Active
Low	High Impedance

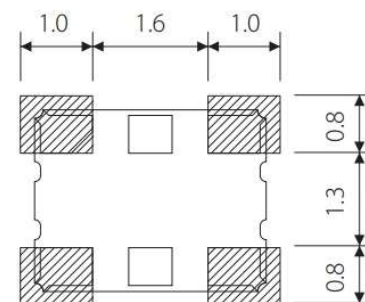


Figure 2) Suggested Land Pattern

* Frequency Stability includes initial tolerance, temperature, supply voltage & load change reflow frequency shift, aging (1 year @ +25°C).

PART NUMBERING GUIDE: Example ECS-3225S33-250-FN-TR

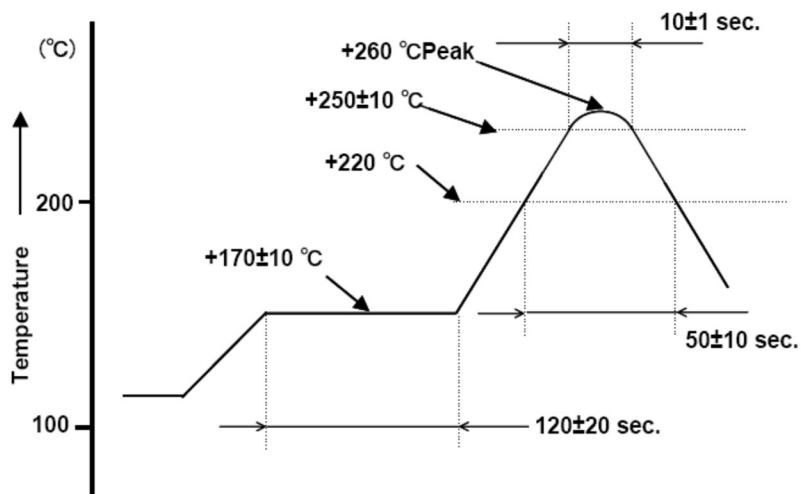
ECS - SERIES	Voltage	FREQUENCY ABBREVIATION	STABILITY	TEMP RANGE	PACKAGING
3225S 3.2 x 2.5 mm	18 = +1.8V 25 = +2.5V 30 = +3.0V 33 = +3.3V	250 = 25.000 MHz See Developed Frequencies Pg.2	E = ±15 ppm F = ± 10 ppm	N = -40 ~ +85°C	TR = Tape & Reel 1K/Reel

FREQUENCY ABBREVIATIONS

FREQUENCY MHz	CODE
5.000	050
10.000	100
12.000	120
16.000	160
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)

