

The miniature ECS-2520S is a miniature SMD HCMOS Tight Stability Crystal Oscillator. The 2.5 x 2.0 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
- 2.5 x 2.0 mm Footprint
- Extended Temp Range
- RoHS Compliant

DIMENSIONS (mm)

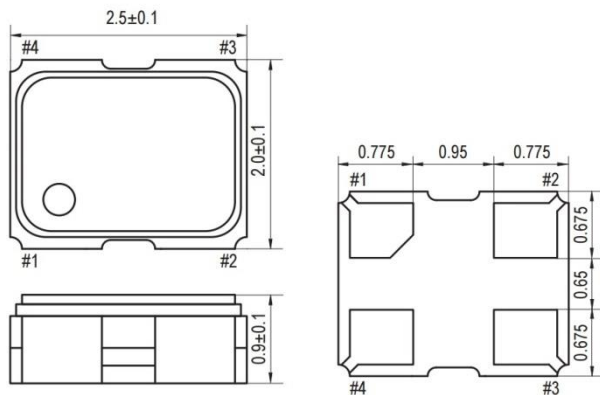


Figure 1) Top, Side, and Bottom views

PAD CONNECTIONS	
1	Tri-state
2	Gnd
3	Output
4	Vdd

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

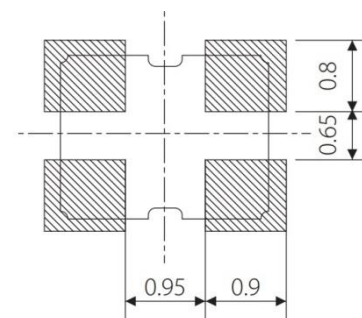


Figure 2) Suggested Land Pattern

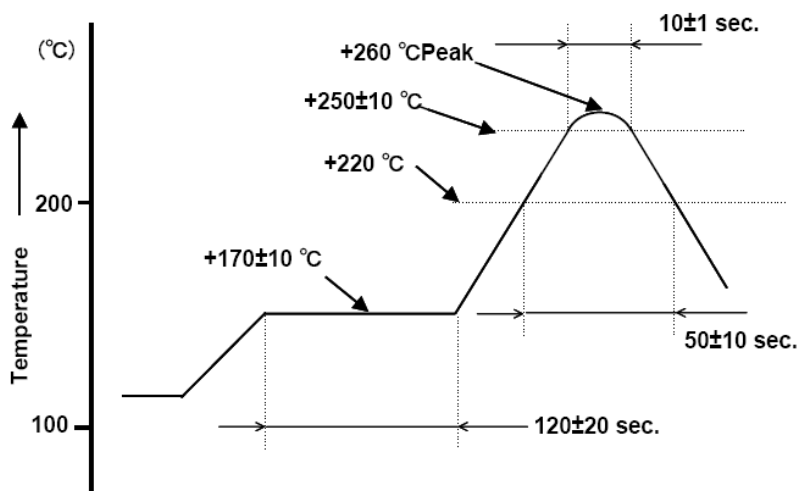
PART NUMBERING GUIDE: Example ECS-2520S33-250-EN-TR

ECS -	SERIES	Voltage	FREQUENCY ABBREVIATION	STABILITY	TEMP RANGE	PACKAGING
	2520S 2.5 x 2.0 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

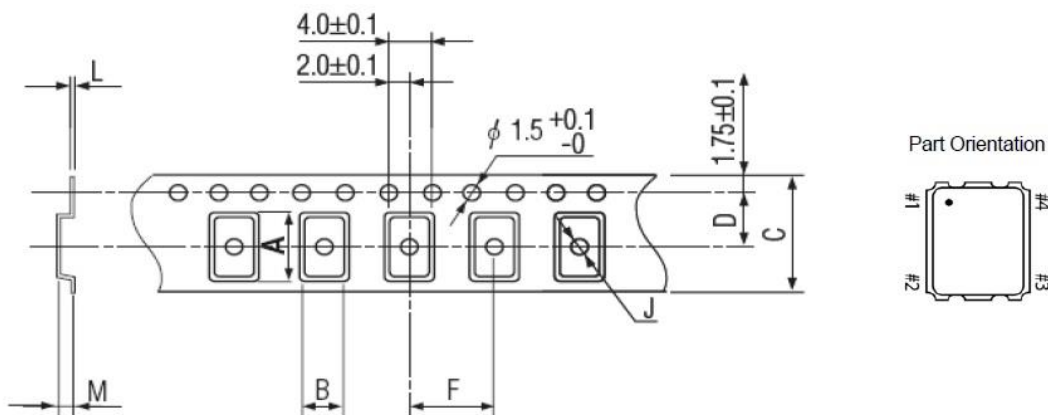
FREQUENCY ABBREVIATIONS

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
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)



A	B	C	D	F	J	L	M	Reel Dia.	Qty/Reel
2.8	2.3	8.0	3.5	4.0	1.0	0.25	1.1	180	1000pcs