

The ECS-2520MVQ is a miniature SMD HCMOS Oscillator with MultiVolt™ capability of 1.6 ~ 3.6 V. The 2.5 x 2.0 x 0.8 mm ceramic package is ideal for LoRa WAN, Low Power/Portable, Industrial and Automotive applications.

[Request a Sample](#)

ECS-2520MVQ SMD XO



- 2.5 x 2.0 mm Footprint
- Extended Temp Range
- RoHS Compliant
- Wide Supply Voltage
- Low Jitter
- Compatible with 1.8V, 2.5V or 3.3V Power Supply
- AEC-Q200 Qualified

DIMENSIONS (mm)

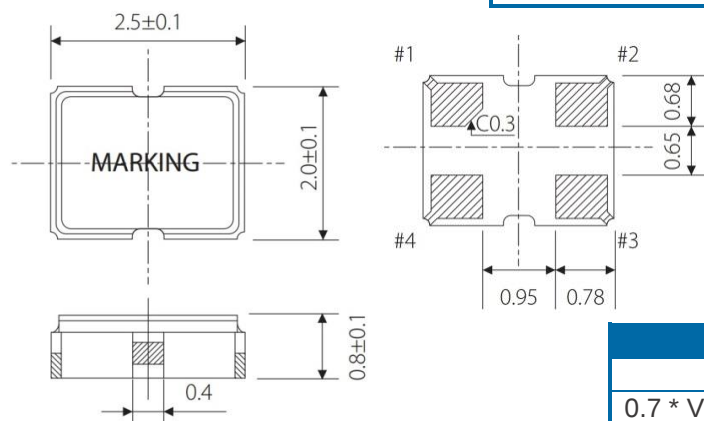


Figure 1) Top, Side, and Bottom views

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

Tri State Function	
Pin 1	Output
0.7 * Vdd Min or NC	Active
0.3 * Vdd Max.	High Impedance

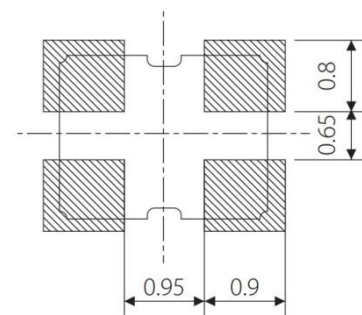


Figure 2) Suggested Land

PART NUMBERING GUIDE: Example ECS-2520MVQ-250-BN-TR

ECS	-	SERIES	-	FREQUENCY ABBREVIATION	-	* STABILITY-	-	TEMP RANGE -	-	PACKAGING
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ECS

2520MVQ
2.5 x 2.0 mm
MultiVolt™ Oscillator

250 = 25.000 MHz
See Developed
Frequencies Pg.2

A = ±100 ppm
B = ±50 ppm
G = ±30 ppm †
C = ±25 ppm †
D = ±20 ppm †

M = -20 ~ +70°C
N = -40 ~ +85°C
P = -40 ~ +105°C
S = -40 ~ +125°C

-TR = Tape & Reel
1K/Reel

* Frequency Stability includes initial tolerance, temperature, supply voltage load change and reflow frequency shift.
† Contact ECS for availability over extended temp range.

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[SG-210SEB 3.6864MB0](#) [SIT1602BC-83-33E-10.000000Y](#) [8003AI-12-33S-40.00000Y](#) [1602BI-13-33S-19.200000E](#) [8208AI-2F-18E-](#)
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[TJGA3](#) [632L3I007M37280](#) [FO3HFCYM0.032768-T3](#) [SiT1602BI-23-18E-33.333330G](#)