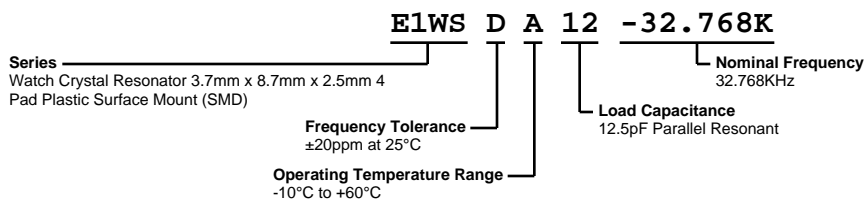


E1WSDA12-32.768K

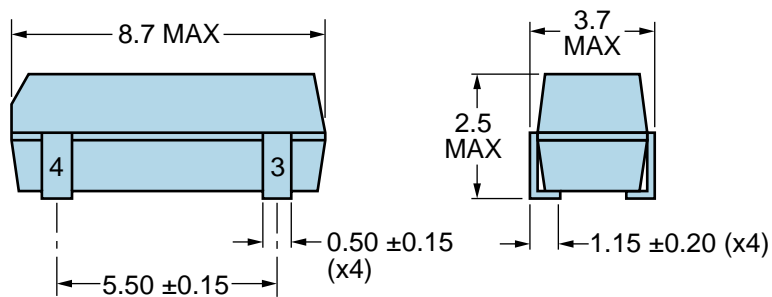


ELECTRICAL SPECIFICATIONS	
Nominal Frequency	32.768KHz
Frequency Tolerance	±20ppm at 25°C
Frequency Stability	Parabolic -0.042ppm/(Change in °C) ² Maximum
Aging at 25°C	±3ppm/year Maximum
Operating Temperature Range	-10°C to +60°C
Load Capacitance	12.5pF Parallel Resonant
Shunt Capacitance (C0)	0.85pF Typical, 2pF Maximum
Motional Capacitance	2.0fF Typical
Equivalent Series Resistance	60,000 Ohms Maximum
Mode of Operation	Tuning Fork, Turn Over Temperature at 25°C ±5°C
Drive Level	1μWatt Maximum
Storage Temperature Range	-40°C to +85°C
Insulation Resistance	500 Megaohms Minimum at 100Vdc

E1WSDA12-32.768K



MECHANICAL DIMENSIONS (all dimensions in millimeters)



Pad Connections

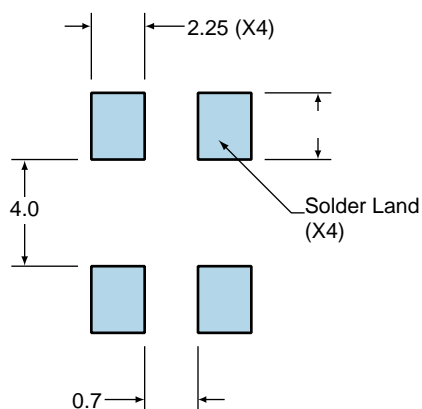


PIN	CONNECTION
1	Crystal
2	No Connect
3	No Connect
4	Crystal

LINE	MARKING
1	C2KXXXXXX C2K=Frequency Code XXXXX=Lot Code (5 Digits Maximum)

Suggested Solder Pad Layout

All Dimensions in Millimeters



All Tolerances are ±0.1