

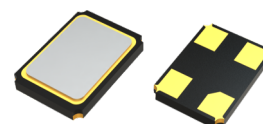
SMD Seam Sealed Crystals

2.5×2.0×0.55 mm

For Automotive

Feature

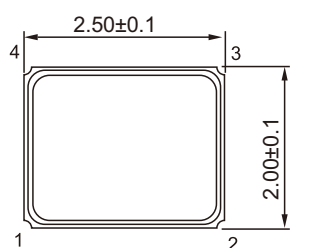
- Size 2.5 × 2.0, Ultra thin, thickness 0.55mm
- Excellent heat resistance and environmental characteristics
- Designed for automatic mounting and reflow soldering
- RoHS Compliant / Pb Free
- Conforms to AEC-Q200



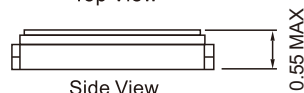
Electrical Specifications

Item	Specifications	
Frequency Range(MHz)	12~24	24~50
Mode	AT/Fundamental	
Load Capacitance (CL)	8pF, 10pF, 12pF or Specify	
Frequency Tolerance(at 25°C)	±20ppm or specify	
Operating Temperature Range	-40~+85°C, -40~+105°C, -40~+125°C	
Frequency Stability Over Operating Temperature Range	±50ppm or specify	
Equivalent Series Resistance (ESR) max.	100Ω	80Ω
Storage Temperature Range	-55~+125°C	
Shunt Capacitance(C ₀)	3pF Max	
Drive Level (Typical)	1 ~100 μW (10μW typical)	
Aging @ 25°C 1st Year (Max)	±3 ppm/year	

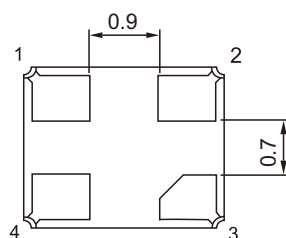
Dimension(mm)



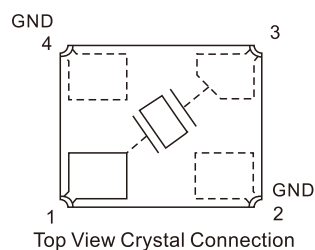
Top View



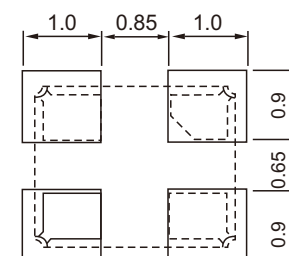
Side View



Bottom View



Top View Crystal Connection



Top View Suggested Layout