



# RX150 Series

## Inverted Mesa Crystals for 6.0 x 3.5 mm LCC and can style packaging

The RX150 Series is designed to fit into 6.0 x 3.5 mm ceramic LSS and can style packages, offering excellent frequency tolerance control, and demonstrated performance for low spurs, frequency accuracies, and aging.\* Available in various angle cuts to meet commercial, industrial, telecom, military temperature ranges. We now recommends RM138 series as a smaller and lower cost solution.

### Features

Sized for 6.0 x 3.5 mm package and can mounts  
Mesa oriented across the X-Axis  
Stable oscillation with low spurs  
High Q, chemically etched, free of etch channels

**Fund. Freq Range** 30 to 200 MHz\*  
**Frequency Third:** 90 to 600 MHz\*  
**Frequency Tol.** +/- 0.010 F<sup>2</sup>  
**Temp. Range** 0 to 70, -20 to 85, -40 to 85, -55 to 125C  
**Tempco** Per Angle cut

**Electrode Size**  
**Electrode Style**  
**Material and Q** Low Etch Channel Pure Z Quartz with a Q minimum of 1.8 Million

**Surface Finish** Polished  
**Angle** Standard AT cuts  
**Angle Tolerance** +/- 2' or +/- 1'  
**Specification Note** Also as customer specified  
**Dimensions (mm)** 3.81mm x 2.54 x 0.080 mm  
**Dimensions (inches)** 0.150 x 0.100 x 0.00315"  
**Ship Pack Method** Waffle Pack

\* We recommend RS150 series for above 120MHz as smaller Mesa is less fragile  
 Dimensional tolerance is +/- 0.001" (1 mil) or +/- 0.0025mm

### Applications

Crystals for filters and for precise low noise/jitter clock applications.  
 Customer applications for SONET, 10G, 1G, Storage, network communications

### Device Dimensions

