

Small Inverted Mesa Crystals for 5mm x 3.2mm packaging and UM/HC45 mounts

The RM138 Series is designed to easily fit into 5.0 x 3.2 mm packages with excellent frequency tolerance control, and demonstrated performance for low spurs, frequency accuracies, and aging.* These devices are supplied as crystal blanks or with electrodes using proprietary processes to achieve consistent C1 and C0 values. Various versions to meet commercial, industrial, telecom, military temperature ranges.

Features

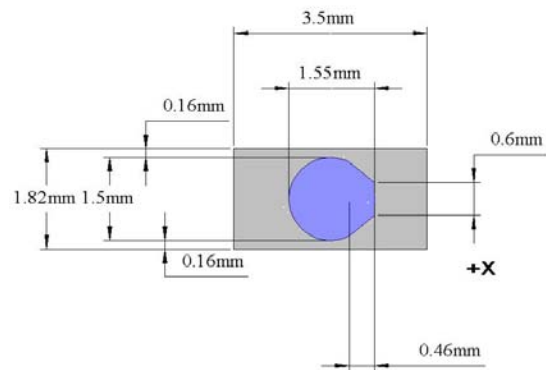
5.0 x 3.2 packaging or UM/HC45 style mounts
 Gold Electrodes in various sizes for specific frequency and C1/C0 ratios
 Stable oscillation/ lower spurs (applied plating) Tune Low and Tune High options
 High Q, chemically etched, free of etch channels or scratches in the Mesa area

Applications

Small packaged crystals for precise frequency control applications
 Customer applications for SONET, 10G, 1G, Storage, network communications

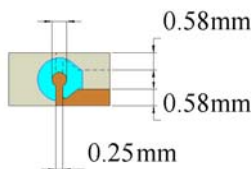
Fund. Freq Range	50 to 350 MHz
Frequency Third:	150 to 1.050 GHz
Frequency Tol.	+/- 0.010 F ²
Temp. Range	0 to 70, -20 to 85, -40 to 85, -55 to 125C
Tempco	100, 50, 35, 25, 10 ppm
Electrode Size	0.25mm to 1.25 mm
Electrode Style	Contacts at same end *
Material and Q	Low Etch Channel Pure Z Quartz with 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)	3.50 x 1.82 x 0.080
Dimensions (inches)	0.138 x 0.071 x 0.00315
Ship Pack Method	Waffle Pack

Device Dimensions



* We can supply with various electrode designs, including opposite end contacts for package assembly
 Dimensional tolerance is +/- 0.001" (1 mil) or +/- 0.0025mm

Electrode sizes
 0.25 mm to 1.25 mm



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