



Inverted Mesa Crystals for higher frequency 5.0 x 7.0 mm or 5.0 x 7.5 mm packaging

The RS196 Series is designed to easily fit into 5.0 x 7.0 mm or 5.0 x 7.5 mm packages with excellent frequency tolerance control, and demonstrated performance for low spurs, frequency accuracies, and aging.*. This smaller mesa design is recommended for frequencies above 120 MHz; being more rugged than RX196 series, achieving higher mechanical production yields. These devices can be supplied with electrodes using proprietary process to achieve consistent C1 and C0 values. Various versions to meet commercial, industrial, telecom, military temperature ranges.

Features

For 5.0 x 7.0 or 5.0 x 7.5 mm packaging
Mesa oriented across X-Axis
Stable oscillation with low spurs
Gold Electrodes in various sizes for specific frequency and C1/C0 ratios
Tune Low and Tune High options
High Q, chemically etched, free of etch channels

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, -55 to 125C
Tempco	100, 50, 35, 25, 10 ppm
Electrode Size	Various
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)	4.98 x 2.39 x 0.080 mm
Dimensions (inches)	0.196 x 0.094 x 0.00315"
Ship Pack Method	Waffle Pack

Dimensional tolerance is +/- 0.001" (1 mil) or +/- 0.0025mm

Frequency tolerance is calculated and measured on the fundamental

Applications

Crystals for precise frequency control applications in high volume packaging.
Customer applications for SONET, 10G, 1G, Storage, network communications

Device Dimensions

