



Fundamental Inverted Mesa Crystals for standard 0.220 round clip mount designs

The SM156 series of electrode plated Square inverted Mesa blanks or plated Crystals are designed to mount in standard 0.220" mounts. This robust crystal is a proven replacement for round crystal and fit in same holders! The proprietary process yields consistent C1 and C0 values, making these devices excellent for VCXO applications requiring consistent pullability. Low Spurs and excellent frequency tolerance enable high yielding production and high performance crystal oscillators and filters.

Features

- Sized for standard 0.220" / 5.59mm mounts
- Rugged, high performance crystal
- Electrodes plated to opposite corners
- Gold electrodes in various sizes targeted for frequencies and C1/C0 ratios
- Tune Low and Tune High options
- High Q, chemically etched, free of etch channels

Applications

- Standard 0.220 round mount applications
- High performance VCXO, XO, OCXO and specials requiring hybrid design
- Telecom, communications, networking, military

Fund. Freq Range	30 to 350 MHz
Frequency Third:	90 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	Plated to opposite corners and
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)	3.962 x 3.962 x 0.080
Dimensions (inches)	0.156 x 0.156 (0.220 across di
Ship Pack Method	Waffle Pack

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

Device Dimensions

