



Fundamental Inverted Mesa Crystals for standard 0.200 round clip mount designs

The CM200 series of round inverted Mesa blanks fit mount in standard 0.200" mounts. These high performance mesas exhibit excellent uniformity, low spurs, and stable operation.

For lower cost with the same performance, we recommend the SM141A series, which is supplied as blank or with electrodes.

Features

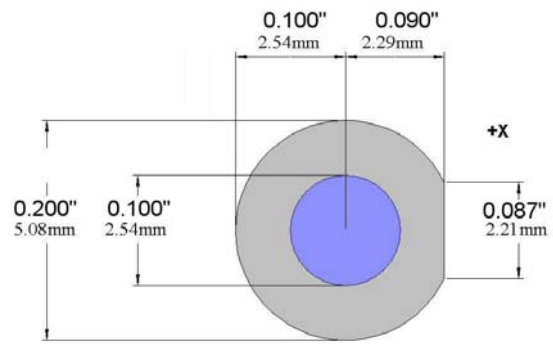
- Round Blank design for standard round holders support legacy designs
- high quality low spurs crystals
- Flat oriented to the X-Axis
- High Q, chemically etched, free of etch channels

Applications

- Standard 0.200 round mount applications
- High performance VCXO, XO, OCXO and specials requiring hybrid design
- Telecom, communications, networking, military

| | |
|-------------------------|--------------------------------------------------------------------------------------------|
| Fund. Freq Range | 30 to 300 MHz |
| Frequency Third: | 90 to 600 MHz* |
| Frequency Tol. | +/- 0.015 F ² |
| Temp. Range | 0 to 70, -20 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, typical 2.2 to 2.4 Million |

Device Dimensions



| | |
|----------------------------|----------------------------|
| Surface Finish | Polished |
| Angle | Standard AT cuts |
| Angle Tolerance | +/- 2' or +/- 1' |
| Specification Note | Also as customer specified |
| Dimensions (mm) | 5.508 dia x 0.080 mm |
| Dimensions (inches) | 0.200 diagonal x 0.00315 |
| Ship Pack Method | Waffle Pack |

Not recommended for new designs as squares are much lower cost solution. See SM141 series.
 Dimensional tolerance is +/- 0.001" (1 mil) or +/- 0.0025mm