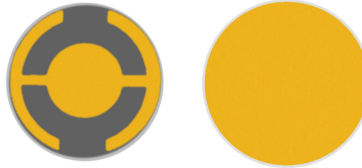


Product Specifications

TAN06IG

Gold, 6 MHz Quartz Crystals



Description: Quartz sensor for use in thin film deposition monitors and controllers, including Inficon, Maxtek, Sigma Instruments, and Sycon instruments.

Physical Specification:

- 1) Material: Single Crystal Alpha Quartz, Unswept, Electronic Grade (Q>1E6)
- 2) Dimensions: 0.550" +. 000/- .002" OD
- 3) Contour: 2.5 -3 diopter (212-177 mm radius of curvature) plano convex
- 4) Finish: 7 microns rms roughness plano and contour sides
- 5) No chips, scratches or etch marks within a 13.95 mm diameter clear aperture
- 6) Electrodes "Inficon" patterned gold with chromium underlayer

Electrical Specification:

- 1) Resonant Frequency: 5.980-5.989 MHz, fundamental series resonance
- 2) Resistance: <15 Ohms, plated
- 3) Contact Resistance: <10 Ohms edge to edge on pattern side
- 4) Spurious Modes: First Anharmonic >150 KHz above fundamental

Appearance:

- 1) No misaligned electrodes
- 2) No uneven coloration
- 3) No off-center patterns
- 4) No scratches, scuffs, or etch markings present
- 5) No chips or cracks