

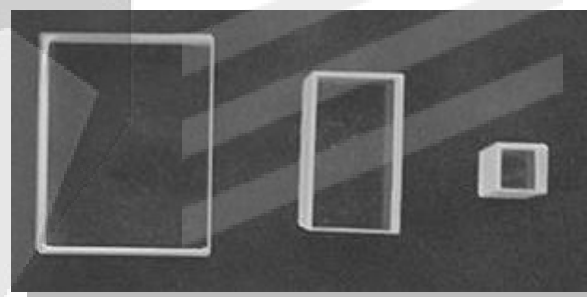
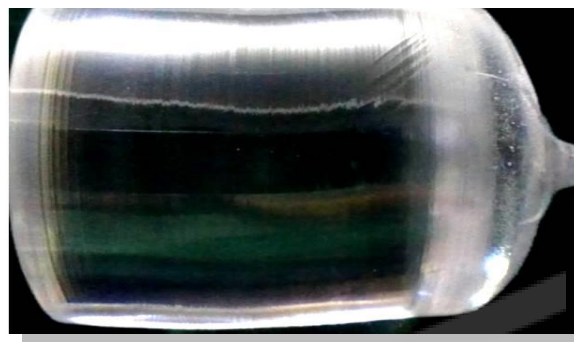


We are committed to the supply of all types of substrate wafers to the microelectronics industry

Tellurium dioxide(TeO_2)

Brief1: Tellurium dioxide (TeO_2) is a solid oxide of tellurium. It is encountered in two different forms, the yellow orthorhombic mineral tellurite, $\beta\text{-TeO}_2$, and the synthetic, colourless tetragonal (paratellurite), $\alpha\text{-TeO}_2$. Most of the information regarding reaction chemistry has been obtained in studies involving paratellurite, $\alpha\text{-TeO}_2$.

Density(g/cm ³)	6
Melting Point (°C)	733
Hardness (Mohs)	4
Colour	transparency
Transparent band (mm)	0.33-5.0
Transmittance@632.8nm	>70%
Index of Refraction@632.8nm	Ne=2.411 No=2.258
thermal conductivity coefficient(mW/cm*°C)	30
velocity (km/sec)	0.617 for shear wave along <110> ;4.26 for longitudinal wave along <001>

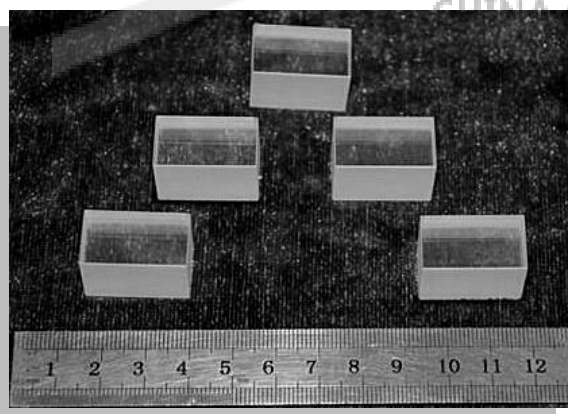


Brief2:

TeO_2 crystal is a kind of acousto-optic material with high quality factor. T、 there are good birefringence and optical rotatory properties, and the velocity of propagation is slow along [110].If under the same clear aperture, use TeO_2 single crystal made the resolution of the acousto-optic device can increases the order of magnitude, the response speed, driving power is small, high diffraction efficiency, stable and reliable performance, etc

Application:

Can be made into all kinds of acousto-optic device, such as acousto- optical deflector, acousto-optic q-switched, surface acoustic wave devices, etc, thus putting these crystals are widely used in laser radar, television, and a large screen display device scanning optical memory, photon computer and laser communication, etc.



Our ability:

we can provide customers with Φ 2 inch, 3 inch, 4 inch Φ Φ crystal rods and various types.

HANGZHOU FREQCONTROL ELECTRONIC TECHNOLOGY LTD.

Head office : # 1106, Crystal International Business Center(CIBC), No.198 Wuxing Rd ,Qianjiang new city Hangzhou, P.R.China Post code: 310006
 TEL: 0086-571-85803723 85803731 85803732 FAX: 0086-571-85803724
 E-mail: sales@csimc-freqcontrol.com thwu@mail.hz.zj.cn

