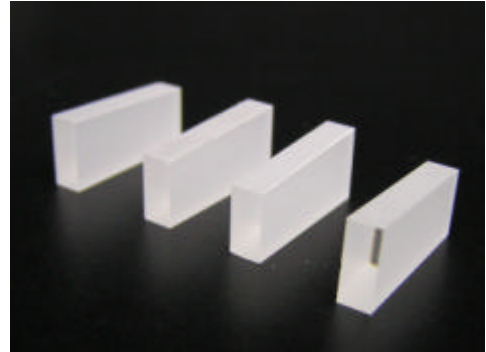


High Quality TeO₂ for Acousto-Optics devices

TeO₂ Features

- Wide transmittance range:
350nm -5000nm
- High refractive index:
no=2.26 ne=2.412 @633nm
- High figure of merit ($M_2=10^{-8}S^3/g$): 795
[Silica] 1, [PbMo₄] 36



Applications

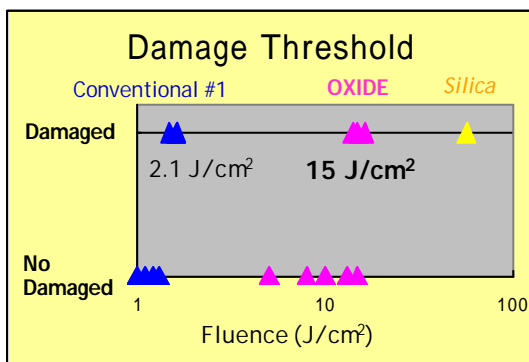
- Acoust-Optics devices (AO Tunable Filter ,
AO Modulator, AO Deflector, AO Q-switch)



Oxide TeO₂ Features

- High damage threshold (15J/cm²)
- Non OH absorption @IR range
- Low absorption @1064nm, 532nm
- Low absorption @UV-blue range

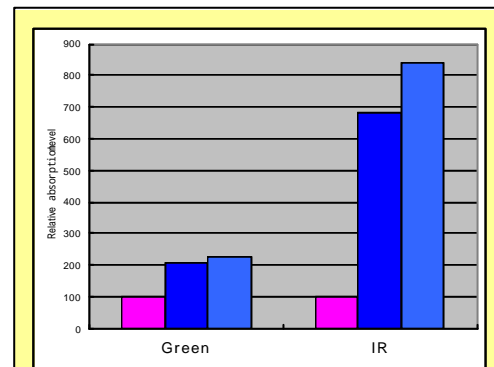
**7 times higher damage threshold
compared to conventional crystals!**



Tested by Institute for Laser Technology
Test Method: N-on-1

Wavelength: 1064 nm
Pulse width: 4 ns
Beam size: f70 mm

**2 times less absorption @532nm
7 times less @1064nm**



Measurement condition

Pump: 1064nm & 532nm CW 1W
Probe: 633nm CW 1W
Chopping frequency: 420 Hz
Beam waist: f70 mm

OXIDE

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