



Electro Optical Components, Inc.

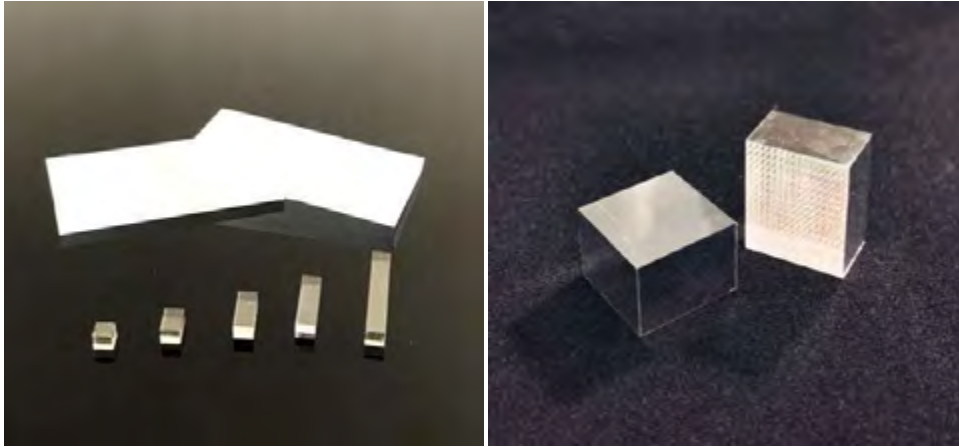
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Ce:LYSO Crystal



Density (g/cm ³)	7.2
Melting Point (°C)	2050
Hardness (Mohs)	5.8
Effective Atomic Number	64
Decay time (ns)	40-45
Wavelength of emission max (nm)	420
Light yield (Photons/MeV)	29000
Index of Refraction	1.82
Melting Point (°C)	2050
Light output (to NaI:Tl)	~85%
Hygroscopicity	None

Key Features

- Fast decay time
- High light output
- Mechanical resistance and stability
- High density and anti-radiation hardness

Applications:

- Tomography systems(PET)
- Medical XCT
- High energy physics
- Radiation detector
- Oil well logging
- Security scanning
- Gamma spectroscopy