



# Electro Optical Components, Inc.

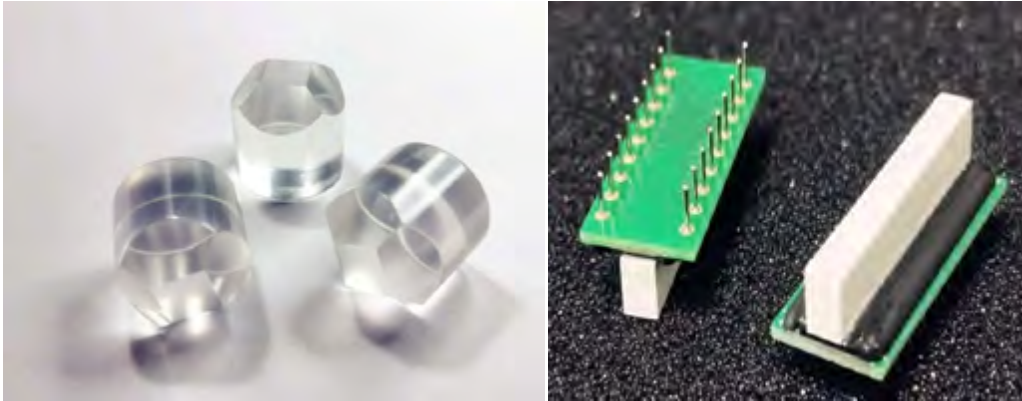
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## CsI(Tl) Crystal



Density (g/cm <sup>3</sup> )	4.51
Hardness (Mohs)	2
Decay time (ns)	1000
Melting Point (°C)	894
Index of Refraction	1.79
Afterglow	0.5-5%@6ms
Wavelength of emission max (nm)	550
Light yield ( to NaI:Tl)	45%
Light Yield (Photons/MeV)	59000

CsI(Tl) scintillator is one of the brightest scintillators. The maximum of the broad emission situated at 550nm is well suited for photodiode readout.

### Key Features

- High light yield
- Emission wavelength at 550 nm
- Compatible with photodiode readout

### Applications:

- Medical imaging
- Radiation detection
- Safety inspection imaging
- High energy physics