

The Future Made Clear



OPTICAL CRYSTALS CALCIUM FLUORIDE



Calcium Fluoride

Fluorite crystals have a wide transmissive range from below 0.13 μm (UV) to over 10 μm (IR). Within this region CaF_2 also has a low index and dispersion. Some applications include astronomical and field telescopes, analytical equipment, optical windows, prisms, and infrared lenses. UV grade CaF_2 can be used to make deep UV lenses as well as optical components for excimer lasers.



Specifications

- Transmission Range (μm): 0.13~10
- Refractive Index: 1.39895 at 5 μm
- Density: 3.18
- CTE: 17~19 ppm/ $^{\circ}\text{C}$: From 50-100 $^{\circ}\text{C}$
24 ppm/ $^{\circ}\text{C}$: From 20-600 $^{\circ}\text{C}$
- Available in blanks Up To 350 mm Diameter
- For use in Astronomical Telescopes and Excimer Lasers
- Suitable for IR and UV Systems

GET IN TOUCH

www.oharacorp.com

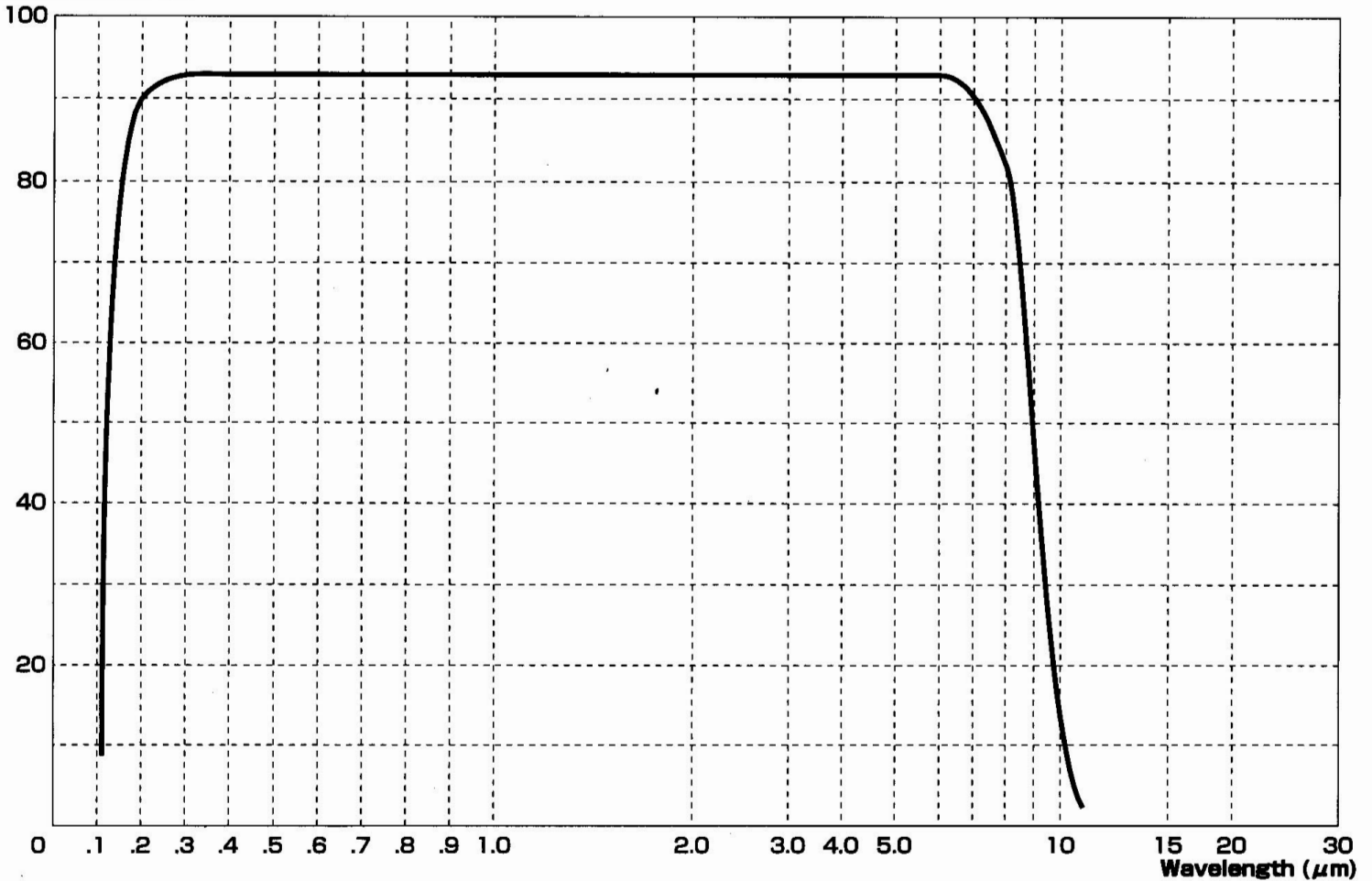
50 Columbia Road
Branchburg, NJ 08876
Tel: (908) 218-0100
Fax: (908) 218-1685

23141 Arroyo Vista #200
Rancho Santa Margarita, CA 92688
Tel: (949) 858-5700
Fax: (949) 858-5455

The Future Made Clear



Transmittance (%)



Refractive Index Table

Wavelength (μm)	Refractive Index	Wavelength (μm)	Refractive Index
0.4047	1.44151	2.000	1.42385
0.4358	1.43949	3.000	1.41785
0.4861	1.43704	4.000	1.40963
0.5461	1.43496	5.000	1.39895
0.5876	1.43387	6.000	1.38559
0.6563	1.43248	7.000	1.36932
0.7682	1.43091	8.000	1.34983

GET IN TOUCH

www.oharacorp.com

50 Columbia Road
Branchburg, NJ 08876
Tel: (908) 218-0100
Fax: (908) 218-1685

23141 Arroyo Vista #200
Rancho Santa Margarita, CA 92688
Tel: (949) 858-5700
Fax: (949) 858-5455