



## Lenses >> Achromatic\_Doublet Lenses

### Products

#### Optics

Lenses  
Prisms  
Beamsplitter  
Cylindrical Lens  
Waveplate  
Polarizer  
Windows  
Wedges  
Mirror  
Aspheric Lens  
Grating Substrate  
Filter

#### Fiber Optics

Connector  
Attenuator  
Adaptor  
Coupler  
WDM  
Distribution Cabinets  
Heat Shrink Tube

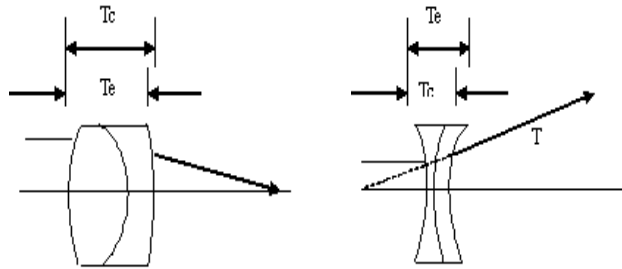
#### Crystal Optics

Calcite Material  
ND:YV04  
ND:YAG  
Sapphire (Al<sub>2</sub>O<sub>3</sub>)  
KTP  
BBO

#### Semi Wafer

Glass Wafer  
Silicon Wafer  
Germanium Wafer  
Sapphire Wafer

The achromatic-doublet consists of a positive low-index(crown) and a negative high-index(flint)lens. These lenses are computer-optimized and exhibit excellent paraxial performance, minimal spherical aberration, coma and smallest chromatic aberration.



### Specifications

Material	Optical crown and flint glasses or equivalent
Focal Length Tolerance	2%
Fringes power	1-5
Fringes Irregularity	0.2-0.5
Diameter Tolerance	0/-0.20 mm
Center Thickness(Tc) Tolerance	0/-0.25 mm
Centration	3 arc minutes
Clear Aperture	90% of diameter
Surface Quality:	60-40 scratch and dig
Antireflection Coating	Single-layer MgF <sub>2</sub> AR Coateds

### Product list

Product No.	Diameter (mm)	Focal Length f (mm)	fb	Center Thickness Tc (mm)	Edge Thickness Te (mm)
LAD061	6.0	10.0	7.8	4.2	3.0
LAD062	6.0	20.0	18.6	3.1	2.5
LAD063	6.0	30.0	28.8	2.8	2.4
LAD101	10.0	20.0	17.0	5.0	3.4
LAD102	10.0	30.0	28.2	3.7	2.7
LAD121	12.7	50.0	48.1	4.3	3.3
LAD122	12.7	75.0	73.3	3.8	3.1
LAD201	20.0	40.0	35.5	8.5	5.4
LAD202	20.0	50.0	46.4	7.4	4.9
LAD203	20.0	60.0	56.8	6.7	4.6
LAD251	25.4	100.0	96.4	7.7	5.7
LAD252	25.4	150.0	147.1	6.5	5.2
LAD253	25.4	200.0	197.3	6.1	5.1
LAD301	30.0	50.0	42.3	13.5	7.7
LAD302	30.0	75.0	69.7	9.9	6.2
LAD303	30.0	90.0	85.7	8.8	5.8
LAD381	38.1	150.0	145.2	10.3	7.4
LAD382	38.1	200.0	195.8	9.0	6.8

LAD383	38.1	300.0	296.3	8.0	6.5
LAD401	40.0	120.0	114.2	12.1	6.7
LAD402	40.0	250.0	246.1	8.6	6.7
LAD501	50.8	400.0	395.5	9.7	7.8
LAD502	50.8	500.0	495.5	9.0	7.5

**Note: Any other components is available upon request.**

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