

## Double-Concave Lenses

### Product Description:

Double-Concave Lenses have both two inward surfaces with a negative focal length.

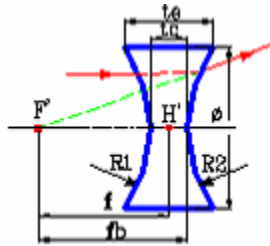
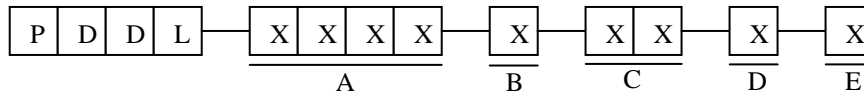


Figure 1: A schematic drawing of a double-concave lens

### Specifications:

Material	BK7 or Fused Silica
Design Wavelength	546.1 nm
Diameter Tolerance	+0.0, -0.15 mm
Paraxial Focal Length Tolerance	$\pm 2\%$ @546.1 nm
Centering Tolerance	3 arc minutes
Clear Aperture	> 85%
Bevel	0.25mm X 45°
Surface Quality	40~20
AR coating	Specified by customer

### Ordering Information:



A	Wavelength	630=0630nm
		1310=1310nm
		XXXX=Your application wavelength
B	Material	1=BK7
		2=Fused Silica
		0=Special

<b>C</b>	<b>Size</b>	<b>01=25.0X12.7X26.25X2.0X3.6X25.7</b>
		<b>Check standard size table for standard size</b>
		<b>00=Custom size</b>
<b>D</b>	<b>AR Coating</b>	<b>1=yes</b>
		<b>0=no</b>
<b>E</b>	<b>Mount</b>	<b>1=Yes</b>
		<b>0=no</b>

**Standard Size Table (Material: BK7 Grade A Optical Glass)**

Dimension P/N	-f (mm)	$\phi$ (mm)	-R1=R2 (mm)	tc (mm)	te (mm)	-fb (mm)
01	25.0	12.7	26.25	2.0	3.6	25.7
02	30.0	12.7	31.44	2.0	3.3	30.7
03	40.0	12.7	41.80	2.0	3.0	40.7
04	50.0	12.7	52.17	2.0	2.8	50.7
05	25.0	25.0	26.25	2.0	8.6	25.7
06	35.0	25.4	36.62	2.0	6.5	35.7
07	50.0	25.4	52.17	2.0	5.1	50.7
07	75.0	25.4	78.09	2.0	4.1	75.7
08	100.0	25.4	104.0	2.0	3.6	100.7