

## Plano-Concave Lenses

### Product Description:

Plano-Concave Lenses have both a flat surface and an inward surface with a negative focal length.

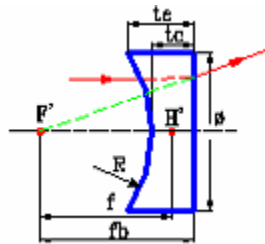
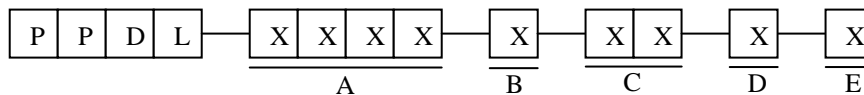


Figure 1: A schematic drawing of a plano-concave lens

### Specifications:

Material	BK7 or Fused Silica
Design Wavelength	546.1 nm
Diameter Tolerance	+0.0, -0.15 mm
Paraxial Focal Length Tolerance	± 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=15.0X12.7X7.78X5.3X2.0X16.3</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)	-R (mm)	te (mm)	tc (mm)	-fb (mm)
01	15.0	12.7	7.78	5.3	2.0	16.3
02	20.0	12.7	10.37	4.1	2.0	21.3
03	25.0	12.7	12.96	3.7	2.0	26.3
04	30.0	12.7	15.55	3.4	2.0	31.3
05	40.0	12.7	20.73	3.0	2.0	41.3
06	50.0	12.7	25.92	2.8	2.0	51.3
07	25.0	25.4	12.97	10.9	2.0	26.3
07	35.0	25.4	18.14	7.2	2.0	36.3
08	50.0	25.4	25.92	5.3	2.0	51.3
09	75.0	25.4	38.87	4.1	2.0	76.3
10	100.0	25.4	51.83	3.6	2.0	101.3
11	150.0	25.4	77.75	3.0	2.0	151.3
12	200.0	25.4	103.66	2.7	2.0	201.3