

Plano-Convex Lenses

Product Description:

Plano-Convex Lenses have both a flat surface and an outward surface with a positive focal length.

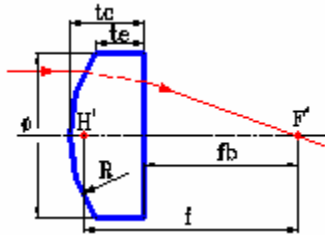
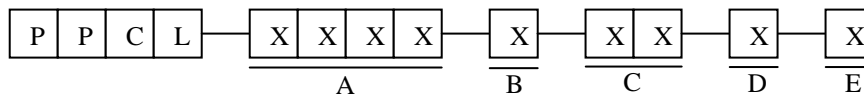


Figure 1: A schematic drawing of a plano-convex lens

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

C	Size	01=15.0X12.7X7.78X5.3X2.0X11.5
		Check standard size table for standard size
		00=Custom size
D	AR Coating	1=yes
		0=no
E	Mount	1=Yes
		0=no

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

Dimension P/N	f (mm)	ϕ (mm)	R (mm)	tc (mm)	te (mm)	fb (mm)
01	15.0	12.7	7.78	5.3	2.0	11.5
02	20.0	12.7	10.37	4.2	2.0	17.2
03	25.0	12.7	12.96	3.7	2.0	22.6
04	30.0	12.7	15.55	3.4	2.0	27.8
05	40.0	12.7	20.73	3.0	2.0	38.0
06	50.0	12.7	25.92	2.8	2.0	48.2
07	35.0	20.0	18.16	4.2	1.2	32.2
08	40.0	20.0	20.73	4.5	1.9	37.0
09	50.0	20.0	25.94	4.0	2.0	47.4
10	50.0	25.4	25.92	5.3	2.0	46.5
11	75.0	25.4	38.37	4.1	2.0	72.3
12	100.0	25.4	51.83	3.6	2.0	97.6
13	125.0	25.4	64.79	3.3	2.0	122.8
14	150.0	25.4	77.75	3.0	2.0	148.0
15	200.0	25.4	103.66	2.8	2.0	198.2