

COMAR

Optics for the real world

40 PX 10

High-index planoconvex laser lenses

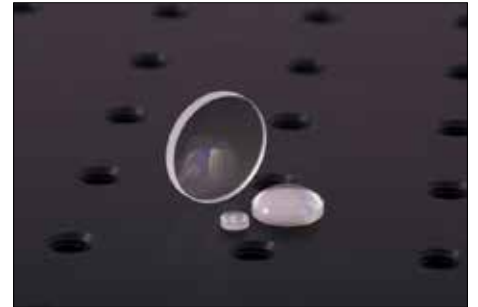
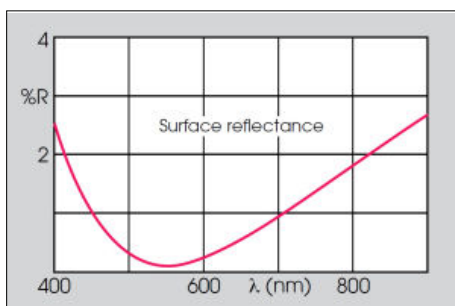


Photo representative of the High-index planoconvex laser lenses range, and may not show the part 40 PX 10.

40 PX 10 specification

Diameter (mm)	10
Diameter tolerance (mm)	+0, -0.1mm
Focal length (mm)	40
Focal length tolerance (at 587nm)	±2%
Back focal length (mm)	38.9
Centre thickness (mm)	1.9
Centre thickness tolerance	n/a
Edge thickness (mm)	1.5
Centration	1.5mrad
Form	planoconvex
Scratch-dig	40-20
Coating type	very efficient SLAR for visible
Glass type	SF11
Diffraction-limited aperture (mm)	8.11
Radii (mm)	n/a
Back vertex power (diopter)	n/a
Back vertex power tolerance	n/a
Figure (sphericity)	lambda/4 (typical)



Two typical curves are shown for each coating. Curve 2 applies only to convex surfaces of short radius (R greater than 1.33 x dia.) and Curve 1 to all other surfaces.