

COMAR

Optics for the real world

10 PX 04

High-index planoconvex laser lenses

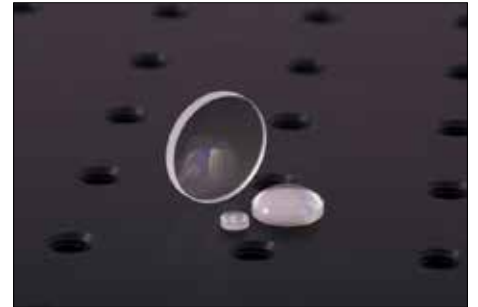
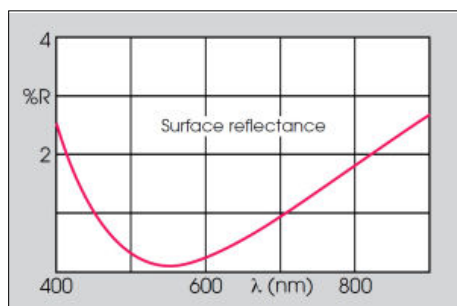


Photo representative of the High-index planoconvex laser lenses range, and may not show the part 10 PX 04.

10 PX 04 specification

Diameter (mm)	4
Diameter tolerance (mm)	+0, -0.1mm
Focal length (mm)	10
Focal length tolerance (at 587nm)	±0.2mm
Back focal length (mm)	9.3
Centre thickness (mm)	1.3
Centre thickness tolerance	n/a
Edge thickness (mm)	1
Centration	0.05mm
Form	planoconvex
Scratch-dig	40-20
Coating type	very efficient SLAR for visible
Glass type	SF11
Diffraction-limited aperture (mm)	2.87
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.