

COMAR

Optics for the real world

07 VQ 10

Sapphire and glass ball lenses



Photo representative of the Sapphire and glass ball lenses range, and may not show the part 07 VQ 10.

07 VQ 10 specification

Diameter (mm)	10
Diameter tolerance (mm)	$\pm 2.5\mu\text{m}$ (manufacturer's data)
Focal length (mm)	7.34
Focal length tolerance (at 587nm)	n/a
Back focal length (mm)	2.34
Centre thickness (mm)	n/a
Centre thickness tolerance	n/a
Edge thickness (mm)	n/a
Centration	n/a
Form	Ball
Scratch-dig	n/a
Coating type	Uncoated
Glass type	BK7
Diffraction-limited aperture (mm)	n/a
Radii (mm)	n/a
Back vertex power (diopter)	n/a
Back vertex power tolerance	n/a
Figure (sphericity)	1 wave (typical)

Image not available.

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.