

COMAR

Optics for the real world

007 VQ 01

Sapphire and glass ball lenses



Photo representative of the Sapphire and glass ball lenses range, and may not show the part 007 VQ 01.

007 VQ 01 specification

Diameter (mm)	1
Diameter tolerance (mm)	$\pm 2.5\mu\text{m}$ (manufacturer's data)
Focal length (mm)	0.734
Focal length tolerance (at 587nm)	n/a
Back focal length (mm)	0.234
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.