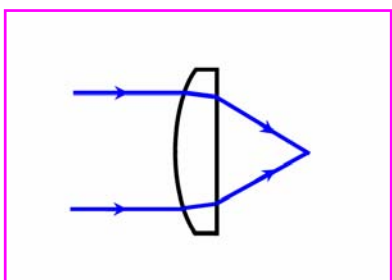


Plano-convex Lenses for the UV

Plano-convex lenses are often used to introduce power into an optical system. When used with the curved surface towards a distant object they are close to the best form for minimization of spherical aberration. They are therefore ideal for focusing an infinite source.



These UV plano-convex spherical lenses are made from either UV Fused Silica, VUV grade Calcium Fluoride or VUV grade Magnesium Fluoride.

They are supplied either uncoated or with a single layer anti-reflection coating suitable for the ultra-violet (200-350 nm).

Typical Specifications	
Material:	UVFS, MgF2, CaF2
Focal length:	.+ 1%
Diameter:	+0.0 /-0.2 mm
Centre Thickness:	+ 0.25 mm
Centration:	< 3 arcmin
Surface accuracy:	$\lambda/4$ @ 633 nm
Surface quality:	20/10
Clear aperture:	> 85% of diameter



A wide range of focal lengths and diameters are available. Here is a list of the most common sizes (in mm):

Diameter	Focal Lengths
12.7	25, 50, 75, 100, 150, 200, 250, 300, 400, 500
19.1	25, 50, 75, 100, 150, 200, 250, 300, 400, 500
25.4	50, 75, 100, 150, 200, 250, 500, 750, 1000
38.1	50, 75, 100, 150, 200, 250, 500, 750, 1000
50.8	100, 150, 200, 250, 500, 750, 1000

Please ask for other sizes and focal lengths as we can supply a wide selection of these lenses.

To request a quote or to order, please specify:

Quantity — Material — Diameter — Focal Length — Coating (if required)

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For a quotation — please phone, fax or email us with details of your requirements.