

# Meniscus Lenses for the Infra-red

Meniscus lenses are commonly used as focusing lenses for CO<sub>2</sub> laser systems. They are available in low absorption, CVD grown Zinc Selenide, or single crystal Germanium.

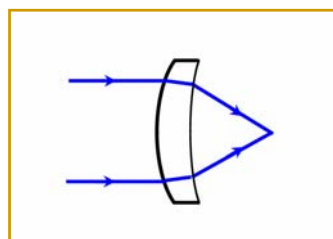
A range of focal lengths, diameters are offered as well as several specific configurations to suit common replacement lenses.

Focal lengths range from 25.4 to 381 mm (1" to 15").

Typical diameters offered are: 12.7, 15.2, 19.1, 25.4, 27.9, 38.1 and 50.8 mm. (1/2", 0.6", 3/4", 1", 1.1", 1.5", 2")

Thickness varies from 2.5 to 8.9 mm as appropriate to suit the individual mounting requirements.

Lenses are normally supplied uncoated but a range of anti-reflection coatings are available including one for low reflectance at 10.6µm.



Typical Specifications	
Material:	ZnSe or Ge
Surface flatness:	$\lambda/20$ @ 10.6 µm
Surface quality:	40/20
Centration:	< 3 arcmin
Diameter:	+0.0 / -0.2 mm
Thickness:	± 0.25 mm
Clear aperture:	> 85% of diameter
Absorbition:	<0.1% per surface
Durability:	MIL-M-13508

**To request a quote or to order, please specify:**

Quantity — Material — Focal Length — Diameter — Edge Thickness (if critical) — Coating

## Optarius

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