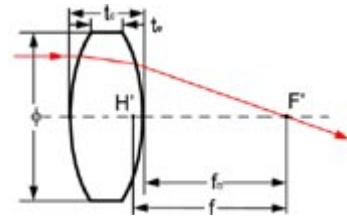


ZINC SELENIDE(ZnSe) MENISCUS LENSES

Meniscus lenses allow minimal spherical aberrations when a parallel beam enters the convex surface. This results in a minimum focal spot size for the incoming collimated light source. All plano convex and meniscus lenses shown have positive focal lengths. Negative focal lengths are available upon request.

Standard Specifications:

Optical Material:	Laser Grade CVD Zinc Selenide
Diameter Tolerance:	+0.0, -0.15mm
Design Wavelength:	10.6um
Design Index:	2.4028 at 10.6um
Paraxial Focal Length:	±2%
Centration:	3 arc minutes
Clear Aperture:	>85%
Surface Quality:	40-20 scratch and dig
Wavefront Distortion:	lambda/2 at 632.8nm
Bevel:	<0.25mm X 45°
Coating:	available upon request



Standard Zinc Selenide Meniscus Lenses:

Dia(mm)	f(mm)	t _e (mm)	Product Number
27.94	127.00	6.0	UQT-MSZ0101
27.94	190.50	6.0	UQT-MSZ0102
38.10	63.50	7.3	UQT-MSZ0103
38.10	127.00	6.0	UQT-MSZ0104
38.10	127.00	7.3	UQT-MSZ0105
38.10	190.50	6.0	UQT-MSZ0106

Please Contact [ultiQuest](#) for other dimensions in prototype and production quantities.

NOTES!

- ➔ ZnSe reacts readily with acidic substances, generating toxic selenium oxide gas. Never clean with acidic washing solutions.
- ➔ Note that ZnSe is classified as a toxic material by law. Transactions involving ZnSe or products incorporating ZnSe require a certificate of transfer.
- ➔ Disposal of ZnSe optics as general waste is prohibited. Please notify us if you need to dispose of such products. (Ultiquest Technologies products only.)
- ➔ Be sure to wear laser safety goggles when checking optical path and adjusting optical axis.