



**Features:**

- Good choice for athermalized lenses design
- Wide wavelength range: MWIR (3-5 $\mu$ m) and LWIR(8-12 $\mu$ m)
- Spherical and aspherical surfaces available
- 7 types of Chalcogenide glass available for your choice

**Descriptions:**

Chalcogenide glass components are becoming popular in various IR applications due to its excellent wide band transmittance (3-5 $\mu$ m, 8-12 $\mu$ m) with reliable machinability, which perform rather differently from oxides; particularly low band gaps help optical designers to introduce more flexible IR solutions. Hangzhou Shalom EO offers the customized lenses and balls made from chalcogenide glass materials.

Chinese made IRG series Chalcogenide glass are used, 7 types of Chalcogenide glass are available for your design choice: IRG201, IRG202, IRG203, IRG204, IRG205, IRG206 and IRG207, please contact with us ([sales@shalomeo.com](mailto:sales@shalomeo.com)) to get detailed data for your confirming and design.

**Specifications:**

Materials	Chalcogenide glass	Diameter Range	~100mm
Diameter Tolerance	+0.0/-0.2mm	Thickness Tolerance	+/-0.05mm
Surface Quality	60/40 S/D	Frings (N)	3
Irregularity (delta N)	1	Centration	3'
Chamfer	0.1-0.3mmx45 degree	Coatings	AR/AR@3-5 $\mu$ m AR/AR@8-12 $\mu$ m

**Related products:**

- 1) Infrared lenses -> Ge lenses
- 2) Lens module for 8-12 $\mu$ m -> athermalized lenses
- 3) Infrared lenses ->ZnSe lenses