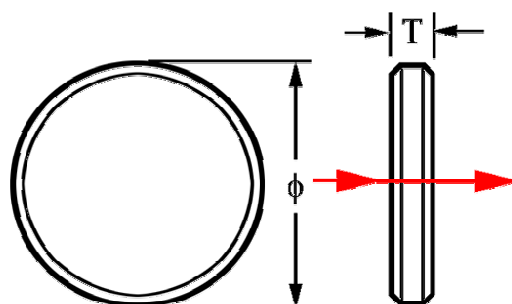


IR Window

NOTE: Windows of special sizes and materials are available upon request.

Germanium Window is ideal for thermal imaging applications and is popular for its high refraction index at about 4.0 from 2 to 14 μ m.

Specifications	
Diameter Tolerance:	+0.0, -0.2 mm
Thickness Tolerance:	\pm 0.2mm
Clear Aperture:	>80%
Parallelism:	<3 arc min
Surface Quality:	40-20 scratch and dig
Flatness	$\lambda/2$ @632.8nm per 25mmDia



Part No:	Material	Diameter	Thickness	Wavelength (μ m)
WGE-25-3-BB	Ge	25.0	3.0	8-12
WGE-25.4-1-BB	Ge	25.4	1.0	8-12
WGE-26-2-BB	Ge	26.0	2.0	8-12
WGE-30-3-BB	Ge	30.0	3.0	8-12
WGE-1.5-2-BB	Ge	38.1	2.0	8-12
WGE-1.5-3-BB	Ge	38.1	3.0	8-12
WGE-1.5-5-BB	Ge	38.1	5.0	8-12
WGE-40-2-BB	Ge	40.0	2.0	8-12
WGE-40-3-BB	Ge	40.0	3.0	8-12
WGE-45-3-BB	Ge	45.0	3.0	8-12
WGE-48-3-BB	Ge	48.0	3.0	8-12
WGE-2-3-BB	Ge	50.8	3.0	8-12
WGE-55-5-BB	Ge	55.0	5.0	8-12
WGE-75-2.5-BB	Ge	75.0	2.5	8-12
WGE-76X76X2-BB	Ge	76*76	2.0	8-12
WGE-80-3-BB	Ge	80.0	3.0	8-12
WGE-90-2.5-BB	Ge	90.0	2.5	8-12
WGE-100-3-BB	Ge	100.0	3.0	8-12
WGE-110-4-BB	Ge	110.0	4.0	8-12
WGE-120-4-BB	Ge	120.0	4.0	8-12

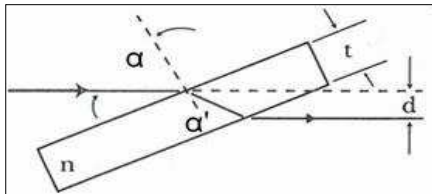
IR Window

Part No:	Material	Diameter	Thickness	Wavelength (µm)
WGE-124-4-BB	Ge	124.0	4.0	8-12
WGE-150-15-BB	Ge	150.0	15.0	8-12
WGE-150X130X4-BB	Ge	150*130	4.0	8-12
WGE-152X120X6.54-BB	Ge	152*120	6.54	8-12
WGE-156-6-BB	Ge	156.0	6.0	8-12
WGE-178-6-BB	Ge	178.0	6.0	8-12
WGE-215X155X8-BB	Ge	215*155	8.0	8-12
WGE-2-3-BB3-5	Ge	50.8	3.0	3-5
WGE-142-6-BB3-5	Ge	142.0	6.0	3-5

Where, • α is angle of incidence

- n is index of refraction
- t is thickness
- d is displacement of the material

* For cus-



tomized windows, please send your enquires to us.

$$d = t \sin \alpha \left(1 - \frac{\cos \alpha}{n \cos \alpha'} \right)$$