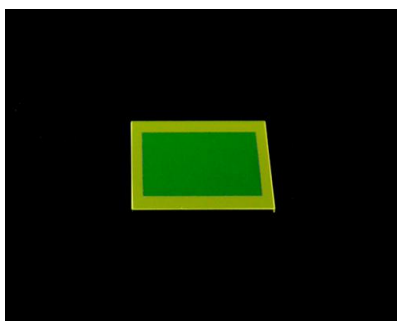


Packaging Windows for FPA's Detectors



Features:

- Ge substrates or Si substrates available
- High quality metallic coating on edges
- Types of coating for your selection

Descriptions:

Packaging windows is a key components for the FPA detectors of thermal imaging cameras, it contains both infrared filtering and welded packaging, Germanium (Ge) and Silicon (Si) are often used as the substrates materials. Several kinds of filtering coating is available: broad band AR coating, long-pass filtering coating, band pass filtering. The high quality metallic coating is made on the edge of the windows, the customization is available upon your request.

Specifications:

Substrate Materials	Germanium, Silicon	Dimensions	Customized
Thickness/Diameter Tolerance	+/-0.05mm	Surface Quality	80/50 S/D
Parallelism	< 1 arc minute	Clear Aperture	>90%
Chamfer	<0.2x45degree	Coating	custom IR coating
Metallization Materials	Au, Ag or Cu (upon customer's request)		

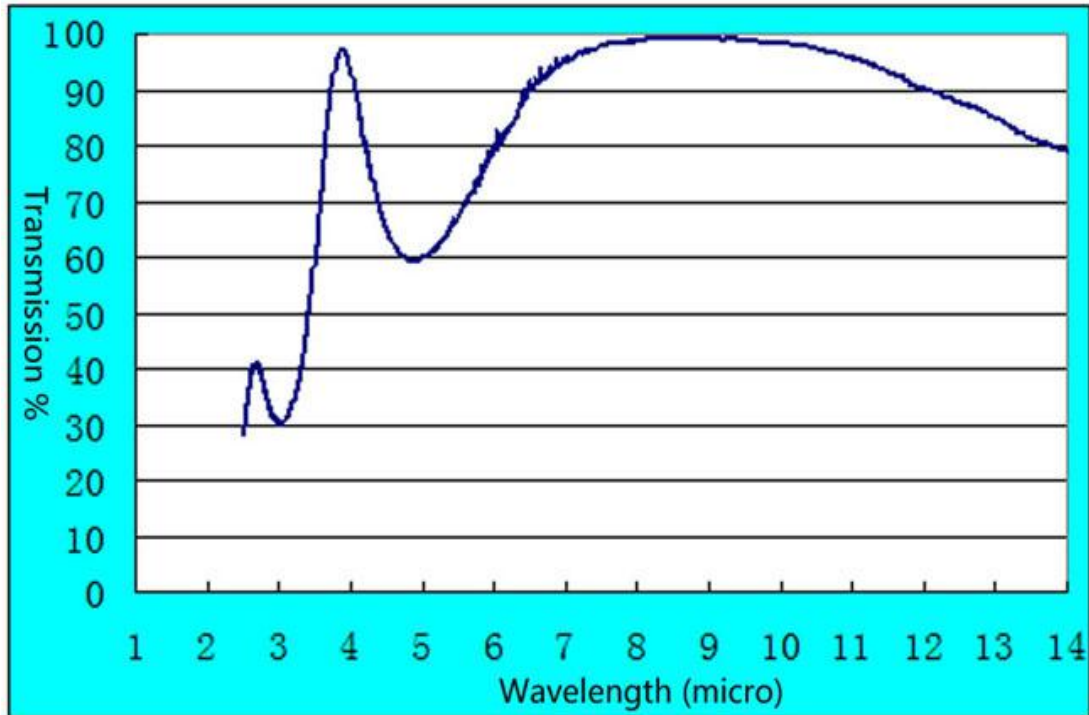
Hangzhou Shalom EO provide following types of the packaging windows:

Filtering Specifications of Packaging Windows	
AR coating on Ge substrate	T>94%@7-12μm
AR coating on Si substrate	T>88%@8-12μm
Long pass filtering coating on Ge substrate	T<1%@<7μm, Tavg>92%@8-12.5μm
Band pass filtering coating on Ge substrate	T<1%@<7.5μm, Tavg >90%@8-12μm T<1%@12.5μm
Broad band AR coating on Ge substrate	Tavg>92%@2-14μm



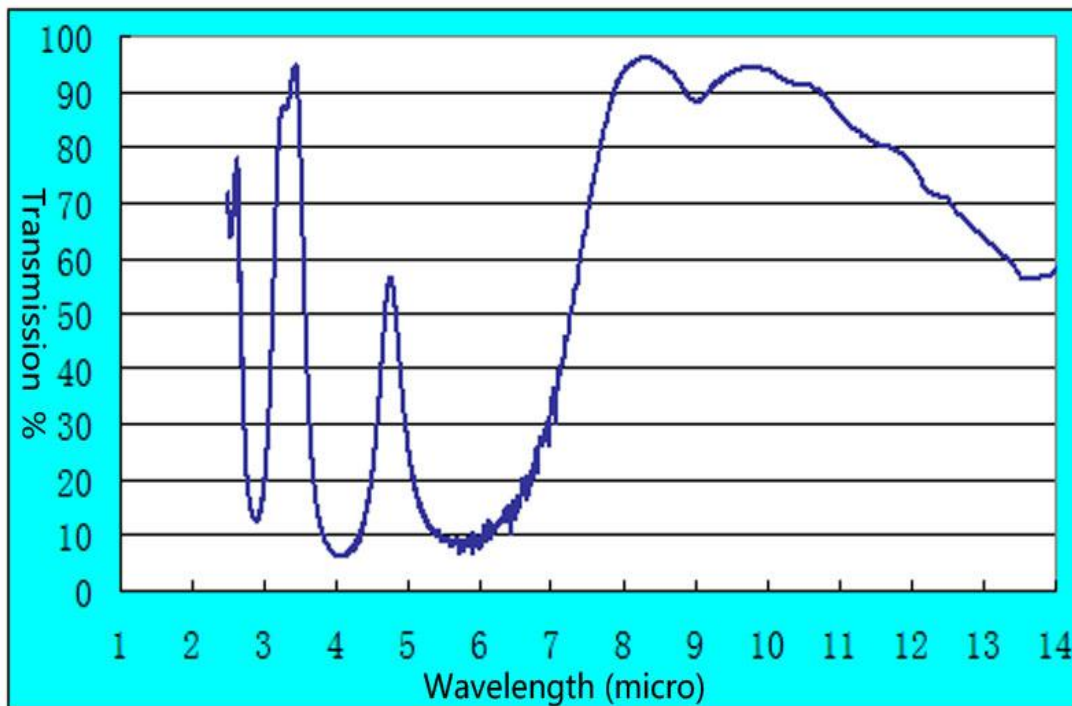
Technical images:

1. Transmission of Ge Windows with AR@7-14 Micro

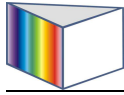


Transmission of Ge windows with AR@7-14 micro

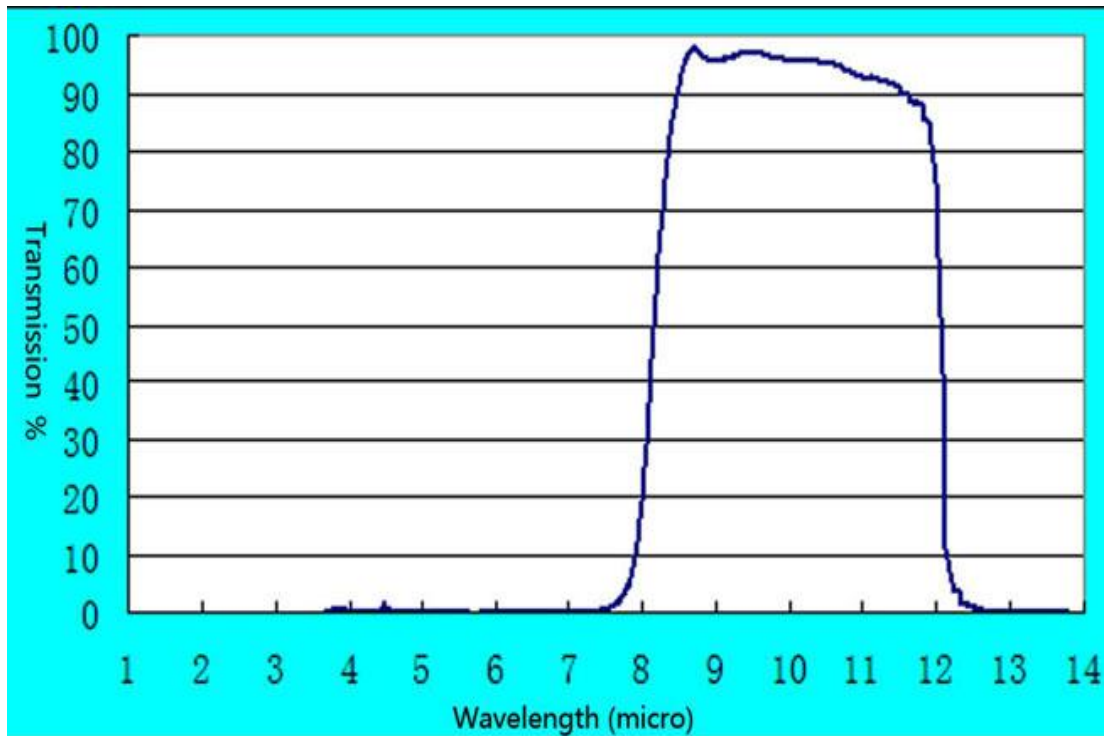
2. Transmission of Si Windows with AR@8-12 Micro



Transmission of Si windows with AR@8-12 micro



3. Transmission of Ge Windows with Band-pass Filtering Coating



Transmission of Ge windows with band-pass filtering coating

Related products:

- 1) Infrared windows -> Ge windows
- 2) Infrared windows -> Silicon windows