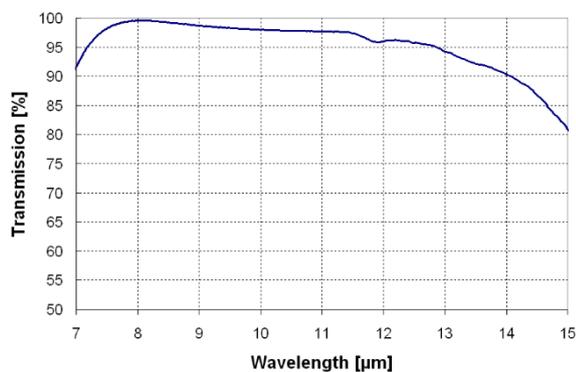


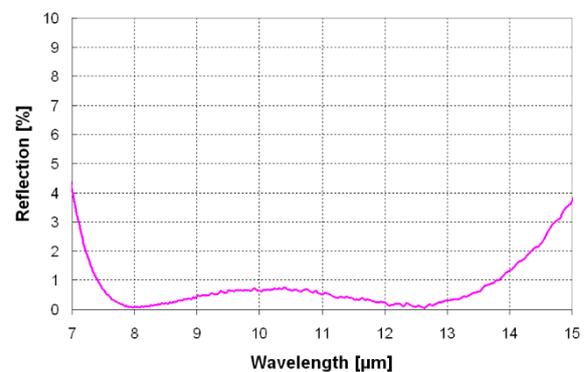
# JENODUR 41 1/002

## Broadband Antireflection Coating for IR on Germanium

Transmission curve



Reflection curve



### Optical properties

Rave (8,0 – 13,0 µm) < 0,7 % per surface  
 Rabs (13,0 – 14,0 µm) < 2,0 % per surface

Typical Data for transmission (both sides coated witness piece):

Tave (8,0 – 11,5 µm) > 98,0 %  
 Tave ( 11,5 – 13,0 µm) > 95,0 %  
 Tabs (13,0 – 14,0 µm) > 90%

### Applications

- Durable broadband antireflection coating
- Reduced reflection in the spectral range 12,0 - 14,0 µm
- Tested on 1mm thick coated witness pieces
- For Germanium windows and lenses
- Spectral range from 8,0 to 14,0 µm
- Angle of incidence: 0 – 10°

### Durability

Adhesion: MIL-C-48497A / section 4.5.3.1  
 Humidity: MIL-C-48497A / section 4.5.3.2  
 Abrasion resistance: MIL-C-48497A / section 4.5.3.3  
 Temperature change: MIL-C-48497A / section 4.5.4.1  
 Solvent resistance: MIL-C-48497A / section 4.5.4.2

### Substrate material

Germanium

### Special features

This coating is absolutely free of any radioactive material. Please contact us if you need another wavelength range or angle of incidence.