

IR Window(Germanium)

A window with a substrate made of single-crystal germanium. Low absorption at the infrared region up to 20 μ m. With anti-reflective (AR) coating on the both faces, the product delivers superior transmission properties suitable for windows.

Features

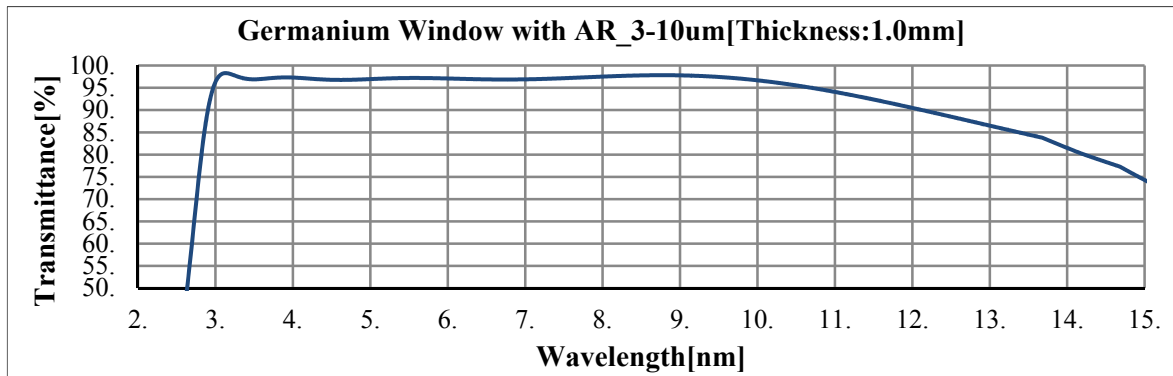
- The AR-coated model offers high transmission properties for a wide range of light (3 μ m-5 μ m).
- The product can be used as a window for specimen observation, laser irradiation, etc.



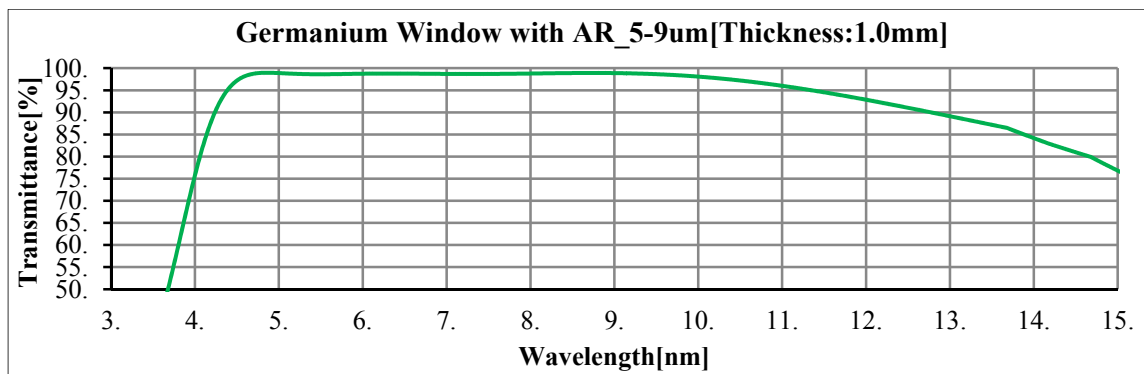
Typical Specifications

Model	GEWI		
Wavelength Range	3-10 μ m	5-9 μ m	2-13 μ m
AR Coating	Y	Y	N
Reflectance (One Side)	< 4.0%	< 2.0%	-
Size	ϕ 25 x 1'mm, ϕ 30 x 1'mm		
Substrate	Single-crystal germanium		
Parallelism	Within 3 minutes		
Scratch-Dig	60-40		
Effective Diameter	80% of the actual diameter		

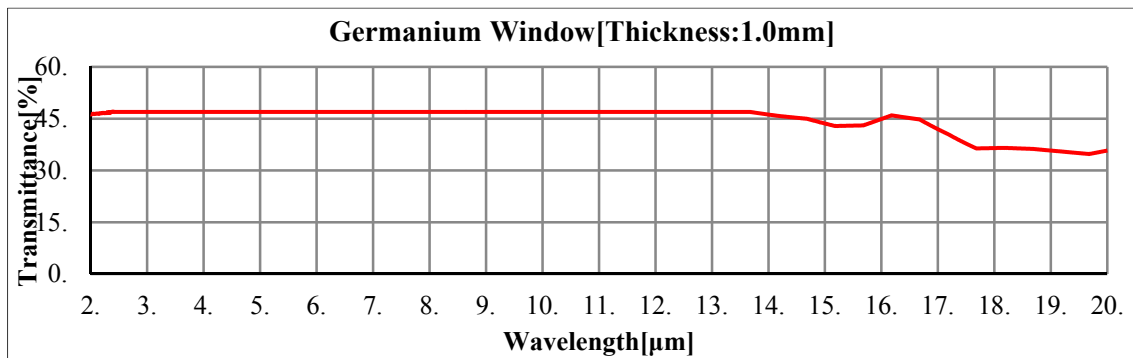
Wavelength Characteristics of Reflectance(AR-coated_3-10 μ m)



Wavelength Characteristics of Reflectance(AR-coated_5-9 μ m)



Wavelength Characteristics of Reflectance(AR-uncoated)



Ordering Instructions

+IR Window (Germanium)

Order format: **GEWI - (1) - (2)**

Order format example: GEWI-A-C

(AR-coating: 3-10 μ m, ϕ 25mm)

(1) AR-coating	A: 3-10 μ m B: 5-9 μ m N: Uncoated
(2) External diameter of substrate	A: ϕ 30mm C: ϕ 25mm

*External diameter and thickness can be customized.