

High-Efficiency Dual Broadband (DBBAR) Coating on Germanium (Ge) for 3 - 5μm and 8 - 12μm

Application

This coating is designed to give low reflectance and high transmittance when used in passive imaging systems. This coating is not intended for high power laser applications.

Spectral Performance

Transmission when measured on a 3mm thick Ge substrate coated on both surfaces with the dual broadband AR coating.

T >= 90% average from 3 - 5μm
 T >= 95% average from 8 - 12μm

Reflection from a single surface when coated with the dual broadband AR coating.

R <= 5.0% average from 3 - 5μm
 R <= 2.5% average from 8 - 12μm

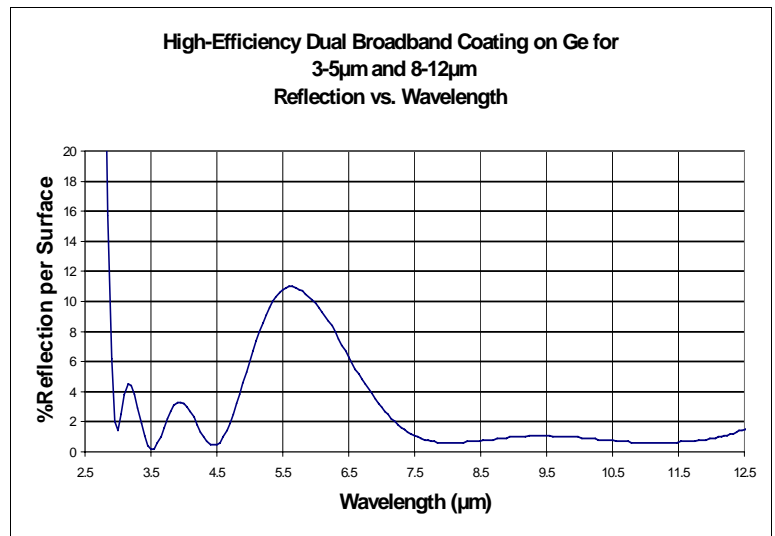
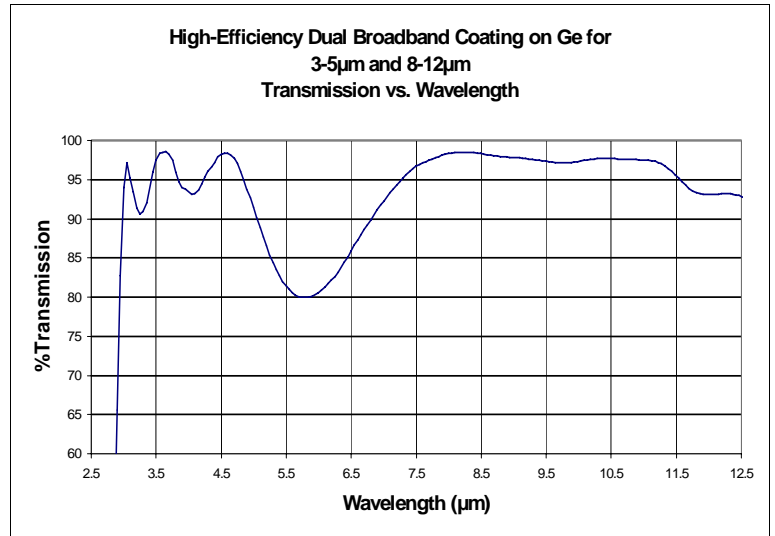
This coating can be modified for similar performance at other wavelengths.

Environmental Performance

This coating is designed to meet durability requirements of the following MIL Specifications:

Adhesion	MIL-C-48497 MIL-C-675C
Humidity	MIL-C-48497 MIL-C-675C
Moderate Abrasion	MIL-C-48497 MIL-C-675C

II-VI will supply certification on request.



COATING DATA SHEET