



North American Coating Laboratories
We're Here to Help

TECHNICAL DATA SHEET

3-5 μ m Broadband Anti-Reflective Coating on Germanium

Overview

NACL's Broadband Anti-Reflective Coating for the 3-5 μ m operating wavelength range gives low reflection and high transmission on Germanium substrates typically used in thermographic cameras, sensors and other passive imaging systems. This coating is not intended for high power laser applications.

Spectral Performance

Transmission as measured through dual surface coated Ge witness sample:

- $T \geq 98.0\%$ average from 3-5 μ m at standard incidence.

Reflection as measured from a single surface coated Ge witness sample:

- $R \geq 0.5\%$ average from 3-5 μ m at standard incidence.

As with virtually all of NACL's coatings, this formula can be modified for similar performance at other wavelengths.

Mechanical and Environmental Requirements

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

Adhesion MIL-C-48497 & MIL-C-675C

Humidity MIL-C-48497 & MIL-C-675C

Moderate Abrasion MIL-C-48497 & MIL-C-675C

This formula can be modified for Severe Abrasion performance on Ge; however, the spectral performance may be affected. Contact us now for any questions on this or any other coatings we offer.

CONNECT WITH US



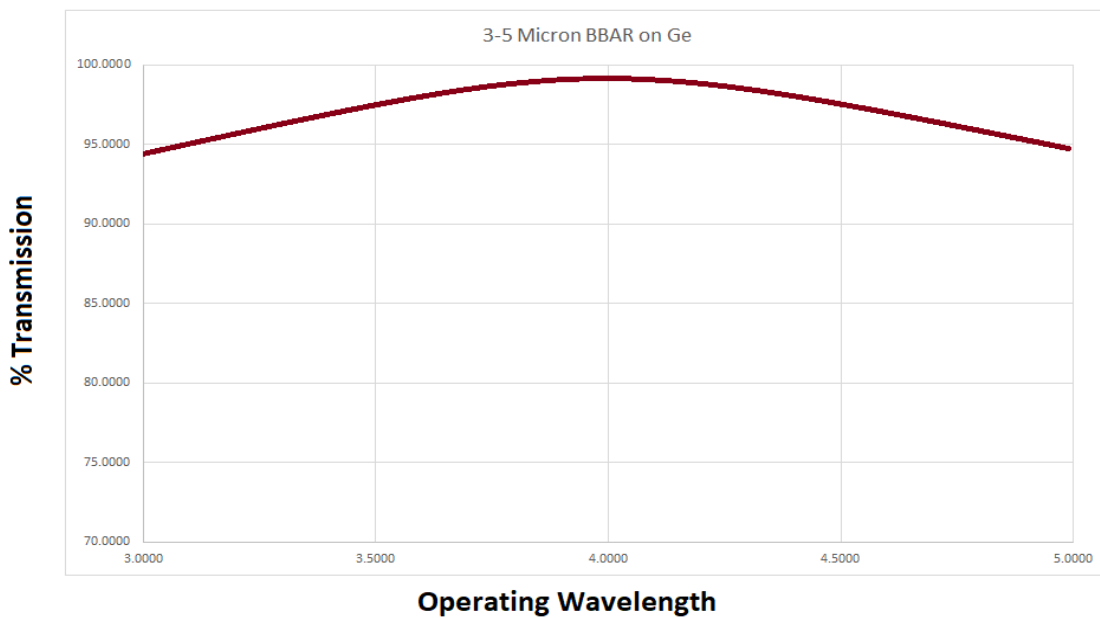
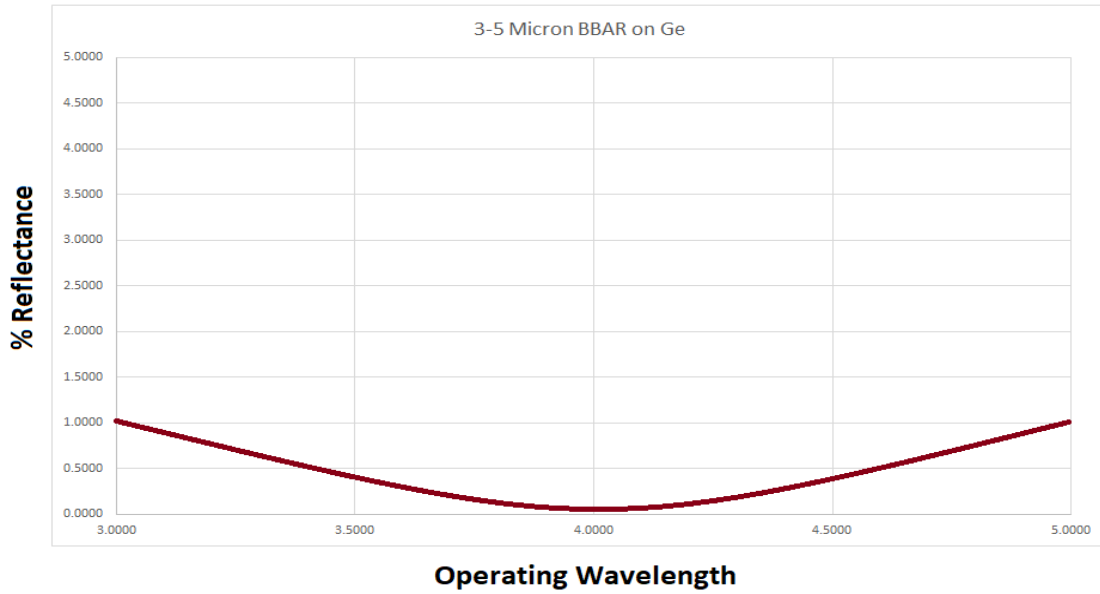
9450 PINENEEDLE DRIVE
MENTOR, OH 44060

(866) 216-6225
NACL.COM



North American Coating Laboratories
We're Here to Help

Spectral Performance Curves



CONNECT WITH US



9450 PINENEEDLE DRIVE
MENTOR, OH 44060

(866) 216-6225
NACL.COM