

High-Efficiency Broadband Anti-Reflective (BBAR) Coating on Germanium (Ge), 3 - 5μm

COATING DATA SHEET

Application

High-Efficiency Broadband Coating for the 3 - 5μm range gives low reflection and high transmission for use in passive imaging systems. This coating is not intended for high power laser applications.

Spectral Performance

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

$T \geq 98.0\%$ average from 3 - 5μm

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

$R \leq 0.5\%$ average from 3 - 5μm

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

