

High-Efficiency Broadband Anti-Reflective (BBAR) Coating on Zinc Sulfide MultiSpectral (ZnS MS), 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 ZnS MS substrate coated on both surfaces with the broadband AR coating.

T >= 98.0% average from 3 - 5µm

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

R <= 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

