

## High-Efficiency Broadband Anti-Reflective (BBAR) Coating on Zinc Selenide (ZnSe), 8 - 12 μm

COATING DATA SHEET

### Application

This low reflection/high transmission coating is designed to cover the 8 - 12μm region and satisfies the environmental requirements listed below.

This low reflectance coating is intended to be used in FLIR or passive radiation systems.

### Spectral Performance

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

$T \geq 98\%$  average from 8 - 12μm

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

$R \leq 0.5\%$  average per surface 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 upon request.

