ZINC SULFIDE DURABLE AR COATING

Description
This durable anti-reflection coating exhibits excellent transmittance over the 8-12 micron spectral region.

Spectral Performance
Substrate: 0.040" ZnS, 22100 one side
22101 the other side.
Spectral region: 8.0-11.5 microns

Product Specifications:
Tav ≥ 95% (through both surfaces)
Rav ≤ 1% (per surface)

Typical Performance:
Tav ≥ 96% (through both surfaces)
Rav ≤ 0.5% (per surface)

Quality Standards
This coating shall meet the quality requirements of MIL-C-675, MIL-STD-810, MIL-M-13508, MIL-F-48616, and MIL-C-48497 where applicable.

Environmental Performance
Coatings are produced to meet the following test criteria:

- Adhesion: Cellulose tape test
- Severe Abrasion: 20 cycle eraser test
- Humidity: 24 hours at 120° F, 95-100% RH or 10 days at 120° F, 95-100% RH
- Salt Spray (fog): ASTM B117-73 for 24 hours
- HCL Durability (missile exhaust): per customer specifications
- Rain Erosion Resistance: standard test available

Coatings are tested to ensure specification compliance and certification can be provided. Customer specified lot-testing is available upon request. For additional information please contact us at 951-926-7666 or opticalsystems.sales@ii-vi.com.