



ADVANCED Technologies

Thin Film Equipment | Precision Optics

HHV Advanced Technologies Is **India's Only In-House** (ZnS) Optics Manufacturer From Substrate To Coating

61 Yrs of Manufacturing Expertise

Over **30** OEM Suppliers

Over **75** International Clients

ZINC SULPHIDE (ZnS) WINDOWS & DOMES

PRECISION ENGINEERED - COATED FOR CLARITY & DURABILITY

Our Zinc Sulphide (ZnS) windows and domes are **manufactured entirely in-house** to meet the demanding requirements of thermal imaging systems. Each optic undergoes rigorous quality checks for corrosion resistance, coating adhesion, and mechanical durability—tested in accordance with **MIL-C-675 and TS-1888** (wiper test).

ZnS coatings are optimized for high transmission across both the **LWIR and MWIR bands**, making them ideal for multi-wavelength applications.

Key Features:

Substrate: Zinc Sulphide

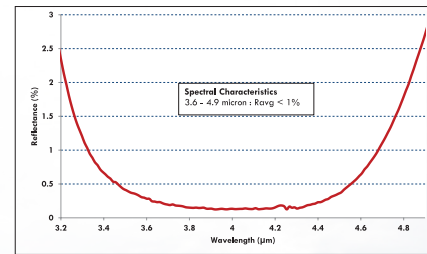
Dimension: Diameter up to 230 mm

Durability: MIL-C-675, TS-1888 wiper test

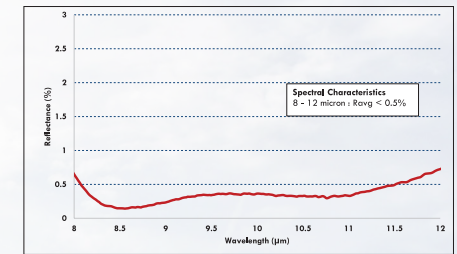
Custom profiles can be generated upon request

Applications:

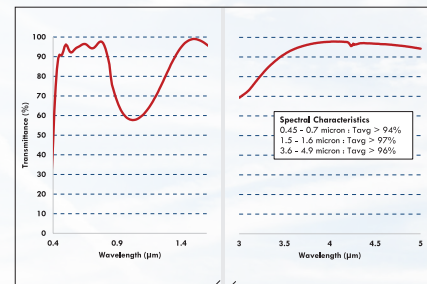
- Seeker missiles for defense
- Front window in thermal imaging system



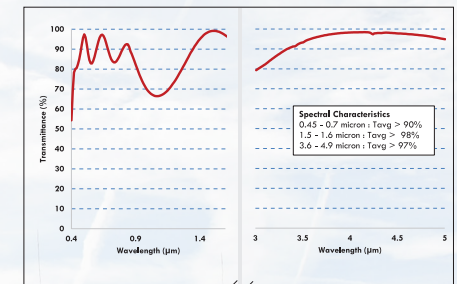
Reflectance: HEAR On ZnS In MWIR Region



Reflectance: HEAR On ZnS In LWIR Region



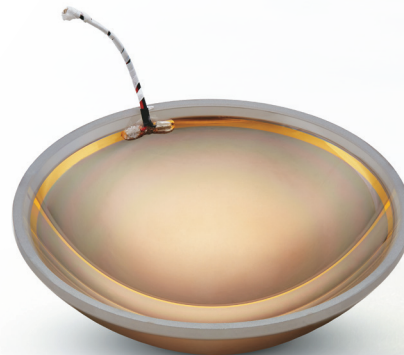
Transmittance: Triple Band HDAR On ZnS



Transmittance: Triple Band, Extremely Durable Anti-reflection coating (EDAR) on ZnS



Cupola Windows



Seeker Missile Domes



REACH US

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