GERMANIUM AR  BROADBAND COATING

Description
This broadband anti-reflection coating for Ge exhibits excellent transmittance characteristics in the entire region from 2.5 to 14 microns.

Spectral Performance
Substrate: 0.040" Ge, coated both sides
Spectral region: 3-12 microns

Product Specifications, Standard:
Tav ≥ 94% (through both surfaces)

Typical Performance, Standard:
Tav ≥ 95% (through both surfaces)

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:

<table>
<thead>
<tr>
<th>Test Available</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adhesion</td>
<td>Cellulose tape test</td>
</tr>
<tr>
<td>Abrasion</td>
<td>20-cycle eraser test</td>
</tr>
<tr>
<td>Humidity</td>
<td>24 hours at 120° F, 95-100% RH</td>
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</tbody>
</table>

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