AMTIR ANTI-REFLECTION COATING

Description
This coating exhibits excellent transmittance in the 8-12 micron region while minimizing reflectance characteristics.

Spectral Performance
Substrate: 0.040" AMTIR, coated both sides
Spectral region: 8.0-11.5 microns

Product Specifications:
Tav ≥ 97% (through both surfaces)
Rav ≤ 1% (per surface)

Typical Performance:
Tav ≥ 98% (through both surfaces)
Rav ≤ 0.4% (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:

<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>Cheesecloth test</td>
</tr>
<tr>
<td>Humidity</td>
<td>24 hours at 120° F, 95-100% RH</td>
</tr>
</tbody>
</table>

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

II-VI Optical Systems • 36570 Briggs Road
Murrieta, CA  92563
www.opticalsystems.com
TEL 951-926-2994  FAX 951-926-1984

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