SILICON ANTI-REFLECTION COATING

Description
This coating for Si components exhibits excellent transmittance in the 1.75 to 5 micron region.

Spectral Performance
Substrate: 0.040” Si, coated both sides
Spectral region: 1.75 to 5.0 microns

Product Specifications:
Tav ≥ 95% (through both surfaces)

Typical Performance:
Tav ≥ 96% (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>
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</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 or 10 days at 120° F, 95-100% RH</td>
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<tr>
<td>Salt Spray (fog)</td>
<td>ASTM B117-73 for 24 hours</td>
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</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

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