

## COATING PRODUCT #25101

### 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:

$T_{av} \geq 97\%$  (through both surfaces)  
 $R_{av} \leq 1\%$  (per surface)

#### Typical Performance:

$T_{av} \geq 98\%$  (through both surfaces)  
 $R_{av} \leq 0.4\%$  (per surface)

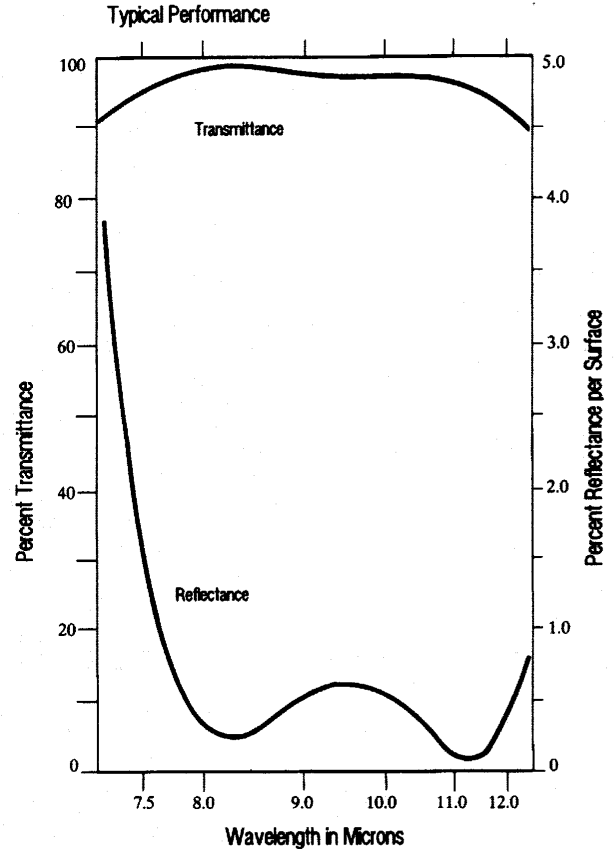
#### Quality Standards

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:

Test Available	Test Method
Adhesion	Cellulose tape test
Abrasion	Cheesecloth test
Humidity	24 hours at 120° F, 95-100% RH



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](mailto:opticalsystems.sales@ii-vi.com)

II-VI Optical Systems • 36570 Briggs Road  
 Murrieta, CA 92563  
[www.opticalsystems.com](http://www.opticalsystems.com)  
 TEL 951-926-2994 FAX 951-926-1984

