

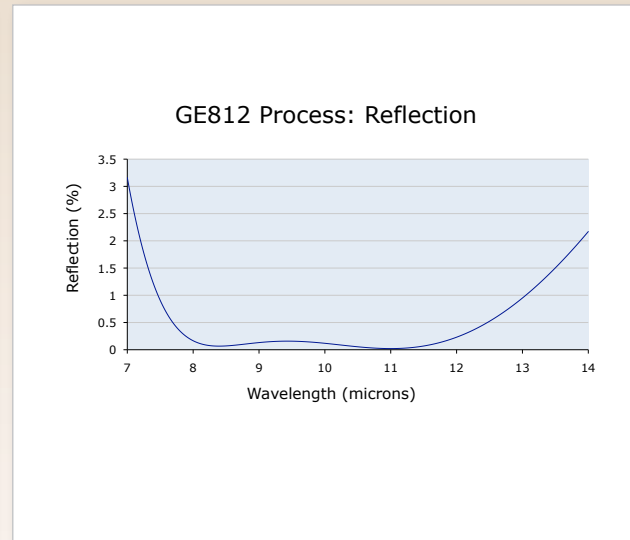
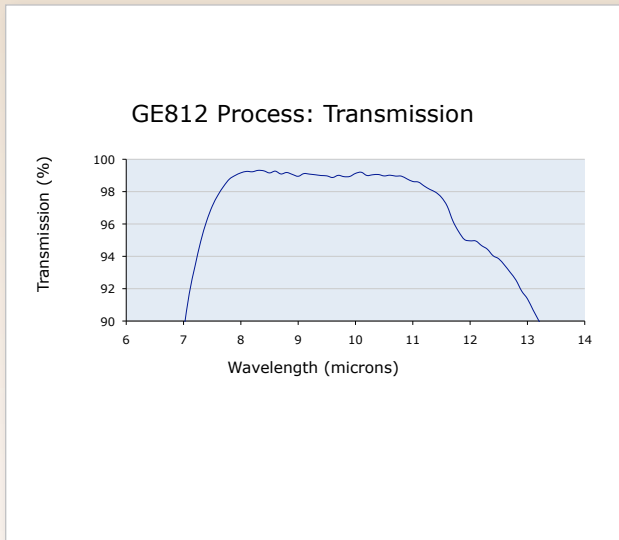
# data sheet



## Process GE812

This coating is a high efficiency anti reflection coating on Germanium covering the 8-12  $\mu\text{m}$  range. It does not contain any radioactive materials.

### Spectral Performance



T > 98% ave for 7.5-11.5  $\mu\text{m}$

T > 94% ave for 11.5-12.3  $\mu\text{m}$

T > 96% abs for 7.5-11.5  $\mu\text{m}$

(coated both sides on a 1mm thick witness)

R < 0.9% for 7.5-8.0  $\mu\text{m}$

R < 0.3% for 8-11.5  $\mu\text{m}$

R < 1.3% for 11.5-12.3  $\mu\text{m}$

(per surface)

### Environmental Testing

This coating will pass the following tests.

Tape Adhesion

Ref MIL-C-48497 paragraph 4.5.3.1

Humidity (24 Hrs)

Ref MIL-C-48497 paragraph 4.5.3.2

Abrasion (Cheesecloth)

Ref MIL-C-48497 paragraph 4.5.3.3

The coating can also be cleaned with standard solvents such as IPA and acetone with no affect on performance.

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Vortex reserves the right to amend or withdraw specifications without prior notice