

# data sheet

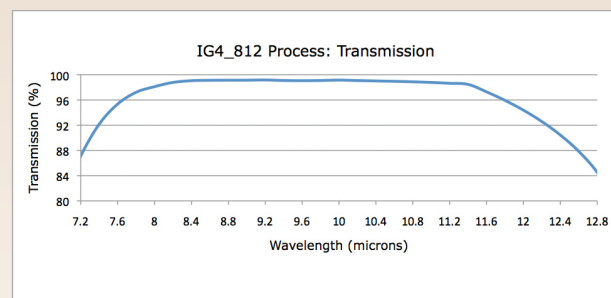
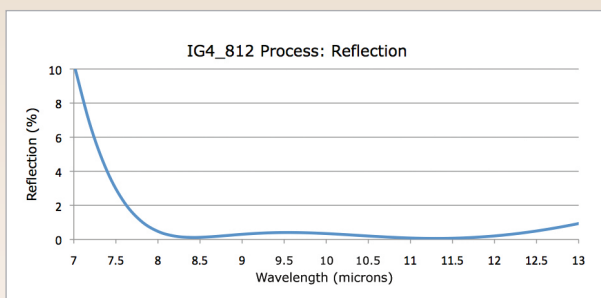


## Process IG4\_812

### Description

This coating is a high efficiency anti reflection coating on IG4 chalcogenide glass covering the 8-12  $\mu\text{m}$  range. It does not contain any radioactive materials.

### Spectral Performance



T>98% ave for 7.8-11.5  $\mu\text{m}$   
(coated both sides on a 1mm thick witness)

R< 0.6% ave for 7.8-11.5  $\mu\text{m}$   
(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.