

# data sheet

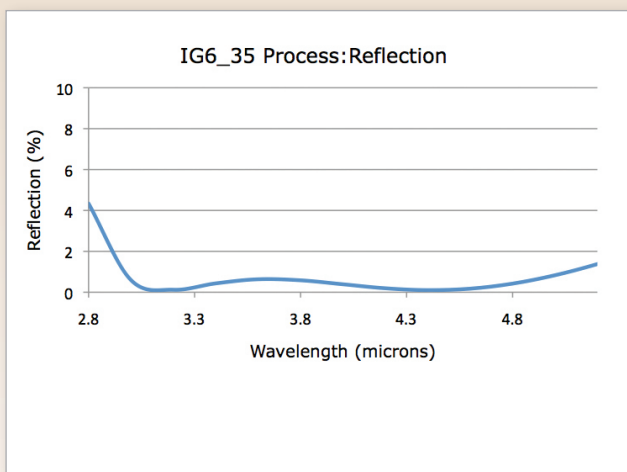


## Process IG6\_35

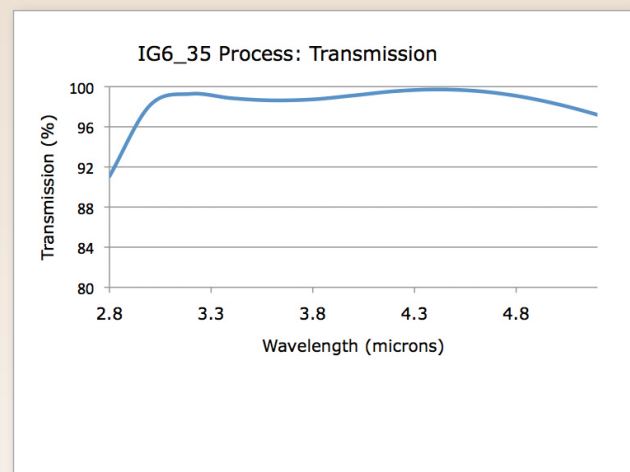
### Description

This coating is a high efficiency anti reflection coating on IG6 chalcogenide glass covering the 8-12  $\mu\text{m}$  range. It does not contain any radioactive materials.

### Spectral Performance



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



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

### 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.