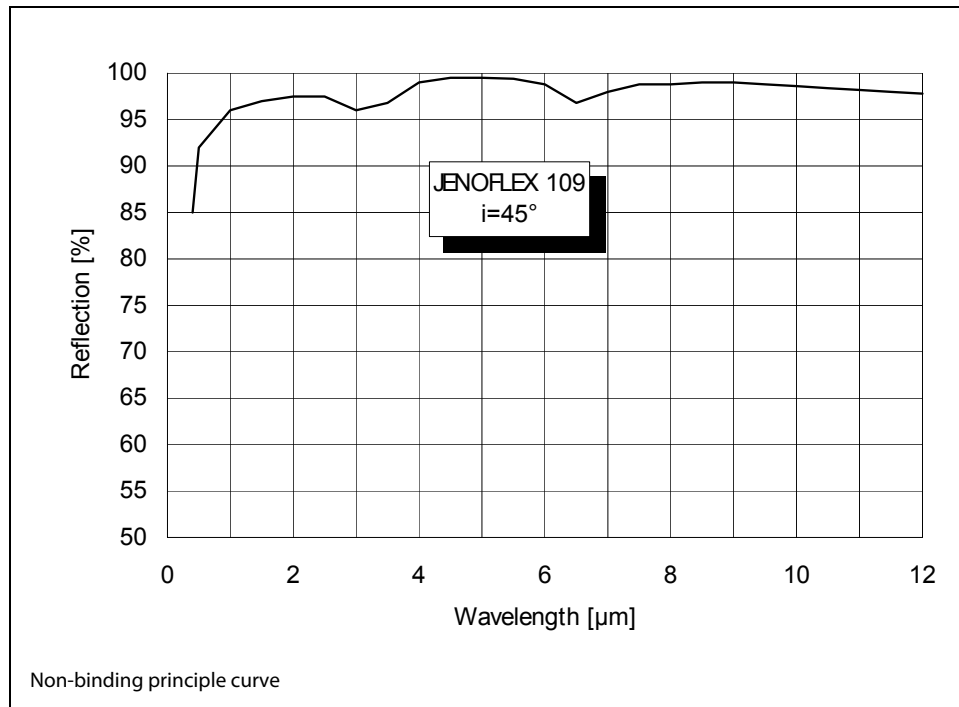


JENOFLEX 109

Protected Silver Mirror for NIR/IR



Front Surface Metallic Mirror

Optical properties:

$R_{avg} \geq 95\%$ for $450\text{ nm} \leq \lambda \leq 2000\text{ nm}$

$R_{abs} \geq 95\%$ for $2\text{ }\mu\text{m} \leq \lambda \leq 12\text{ }\mu\text{m}$

at 0° to 45° incidence

Applications:

The JENOFLEX 109 guarantees a high reflectivity from VIS to IR under various incidence angles. Therefore it is advantageous to use this mirror in IR optics and other optical instruments.

It has a good cleanability by using ethanol (96%).

Durability:

Abrasion resistance: MIL-M-13508C, section 4.4.5

Adhesion: MIL-M-13508C, section 4.4.6

Humidity: MIL-M-13508C, section 4.4.7

Substrate material:

Optical glasses, e.g. BK7 and silicon are typically used.

Issue:

March 96

Doc-No.:

flex109-99-14-0396-en

Ordering code:

JENOFLEX 109