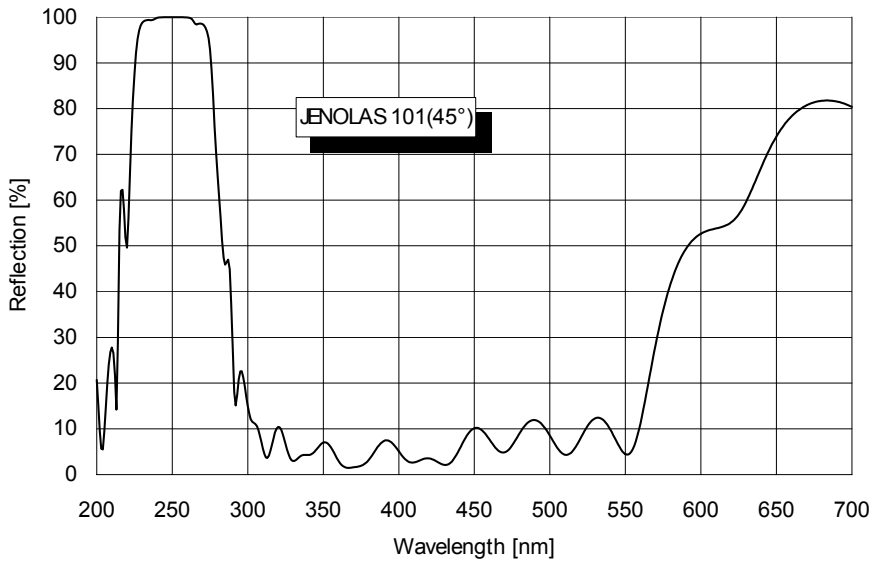
Data sheet

JENOLAS 101

Laser Mirror for Eximerlaser with Enhanced Reflection for Alignment Laser



Non-binding principle curve

Laser Mirror for UV Laser

Optical properties:

R ≥ 99 % for 248 nm

R ≥ 65 % for 630 to 670 nm

Angle of incidence (45 ± 3)°

Applications:

Multilayer high-reflective coating
for eximerlaser (248 nm)
with additional defined reflection
of alignment laser beam (630 nm - 670nm)
Angle of Incidence: 0° or 45°.

Durability:

Adhesion: MIL-C-48497A / section 4.5.3.1

Humidity: MIL-C-48497A / section 4.5.3.2

Abrasion resistance: MIL-C-48497A / section 4.5.3.3

Temperature change: MIL-C-48497A / section 4.5.4.1

Solvent resistance:MIL-C-48497A / section 4.5.4.2
(tested on BK7)

Substrate material:

The coating can be applied on BK7 or quartz glass.

Other materials are possible on request.

Special features:

This multilayer coating is extremly hard.

Onset Laser Damage Threshold at 248 nm:
1 on 1 mode : 1,5 J/cm²
100 on 1 mode : 1,0 J/cm²

Issue:
August 1996

Doc-No.:
las101-99-14-0896-en

Ordering code:
JENOLAS 101 (angle of incidence)

JENOPTIK Laser, Optik, Systeme GmbH. Business Unit Optics
D - 07739 Jena / Germany. Phone: +49 3641 65-3311 Fax: +49 3641 65-3677