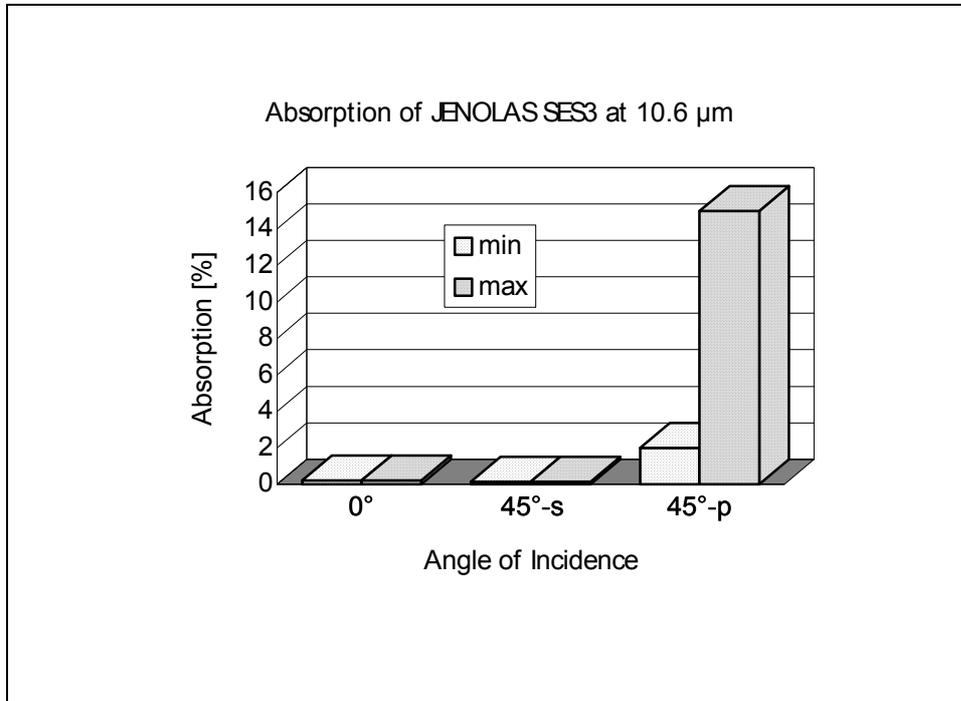


JENOLAS- SES3

CO₂- Laser Mirror with Enhanced p-Component Absorption



Super Enhanced Silver Mirror for CO₂- Lasers

Optical properties at 10.6 μm

$R_l \geq 99.80\%$

$R_s \geq 99.85\%$ ($i = 45^\circ$)

R_p : possible in the range of 85% to 98% ($i = 45^\circ$)

Zero- phase shift at 45° incidence between the s- and p- component of reflection can be adjusted

Applications:

Laser mirror for high power CO₂- cw- lasers with power densities up to 2kW/cm² and angles of incidence up to 60 degrees with enhanced absorption of the p- component at 10.6 μm .

Durability:

Adhesion: MIL- M- 13508, section 4.4.6

Humidity: MIL- M- 13508, section 4.4.7

Abrasion resistance: MIL- M- 13508, section 4.4.5

Temperature change: MIL- M- 13508, section 4.4.4

Substrate material:

Silicon

Other materials are possible on enquiry.

Special features:

This coating is absolutely free of any radioactive material.

For applications in pulsed CO₂- lasers please consult our specialists.

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