

Datasheet - Laser mirror 100685 [ ~ ]

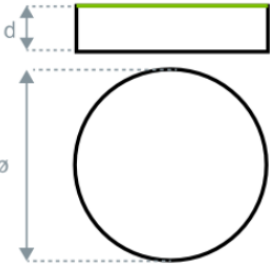
Aluminium Mirror:  
Fused silica | plane |  $\phi=25.0(-0.1)\text{mm}$  |  $t=6.35(\pm0.10)\text{mm}$  |  $//<5\text{min}$   
S1: commercial polish | chamfer 0.3  
uncoated  
S2(^):  $\phi e21$  |  $3/0.2(0.2)$  [L/10] |  $5/2\times0.025$ ;  $L1\times0.004$  | chamfer 0.3  
Al + protection layer, 157nm opt.

Product

|                               |                       |
|-------------------------------|-----------------------|
| Article                       | 100685                |
| Type                          | Laser mirror          |
| Laser category                | Metallic Mirrors      |
| Laser type                    | F2-Laser              |
| Coating material (front side) | 113417                |
| Price per unit (net.)         | on request discount ▼ |
| Stock                         | 1                     |

General Optical Parameters

|                     |                               |
|---------------------|-------------------------------|
| Material            | Corning 7980 2F or equal      |
| Shape               | Round                         |
| Diameter ( $\phi$ ) | 25 mm (-0.1mm)                |
| Thickness (t)       | 6.35 mm ( $\pm0.1\text{mm}$ ) |
| Parallelism         | 5'                            |



Optical Parameters Front Side (S2)

|                        |                                    |
|------------------------|------------------------------------|
| Shape                  | plane                              |
| Chamfer                | 0.3 mm ( $\pm0.1\text{mm}$ )       |
| Test area $\phi e$     | 21                                 |
| Surface form tolerance | $3/0.2(0.2)$ [L/10 @546.1nm]       |
| Cleanliness            | $5/2\times0.025$ ; $L1\times0.004$ |

Optical Parameters Rear Side (S1)

|         |                              |
|---------|------------------------------|
| Shape   | plane                        |
| Chamfer | 0.3 mm ( $\pm0.1\text{mm}$ ) |

Coating specifications front side (S2) (113417)

[ ~ ]

Uncoated

|                                 |                       |
|---------------------------------|-----------------------|
| 1 <sup>st</sup> operating range | HR( $0^\circ$ ;157nm) |
| Type                            | High Reflectance      |
| Polarisation                    | unpol.                |
| Angle of incidence              | $0^\circ$             |
| Wavelength range                | 157 nm                |