Laser protection window, filter - 0242, dimensions 1000 x 1800 mm, thickness 3.0 mm

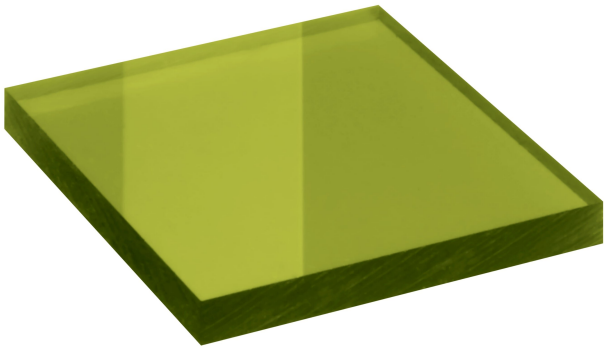
Product information:

Item no.: 100-K0242-3-1,0x1,8

Application: Diode (940 – 980 nm) Yb:YAG/Scheibe (1030 nm) Nd:YAG (1064 nm) Fiber (976 – 1080 nm) , VLT (Visible light transmission): 57 %

Filter color: green

Filter material: special plastic



Laser protection window made of special green plastic suitable for Diode (940 - 980 nm), Yb:YAG/disc (1030 nm), Nd:YAG (1064 nm) and Fiber (976 - 1080 nm) lasers

Datenblatt

PROTECT LASERSCHUTZ GMBH
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Qualified protection levels according to EN 12254

Protection levels	Wavelengths
D AB7 + IR AB2 (OD7+)	• 180-315
DIR AB5 (OD10+)	• >315-355
DIR AB5 (OD9+)	• >355-360
DIR AB5 (OD8+)	• 360-370
DIR AB5 (OD7+)	• >370-420
DIR AB5 (OD6+)	• >420-430
DIR AB5 (OD5+)	• >430-434
DIR AB4 (OD4+)	• >435-443
DIR AB3 (OD3+)	• >443-448
DIR AB2 (OD2+)	• >448-452
DIR AB1 (OD1+)	• >452-461
DIRM AB1 (OD1+)	• 710-755
DIRM AB2 (OD2+)	• >755-785
DIRM AB3 (OD3+)	• >785-805
DIRM AB4 (OD4+)	• >805-830
DIRM AB5 (OD5+)	• >830-860
DIRM AB6 (OD6+)	• >860-880
D AB6 + IRM AB7 (OD7+)	• >880-900
D AB6 + IR AB7 + M AB8 (OD8+)	• >900-1070
DIRM AB6 (OD6+)	• >1070-1075
DIRM AB5 (OD5+)	• >1075-1080
DIRM AB4 (OD4+)	• >1080-1090
DIRM AB3 (OD3+)	• >1090-1100
DIRM AB2 (OD2+)	• >1100-1115
D AB2 (OD2+)	• >2225-2456
D AB1 (OD1+)	• >2456-2560
D AB1 (OD1+)	• >2710-2900
D AB2 (OD2+)	• >2900-11000
PF CE	

Datenblatt

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Properties:

Laser protection windows enable your employees to safely observe the processes in a laser system. Regardless of whether you want to integrate the laser protection windows in machine enclosures or in movable walls, we offer you the right, tested protection for your laser system, for your laser equipment and for your laser application. Depending on the desired protection level or window size, you can choose between windows made of glass or plastic. In addition to a variety of standard sizes, custom cuts are also possible thanks to our in-house production.

The **0242-3 laser protection filter** is particularly suitable as laser protection for powerful **Diode (940 – 980 nm)**, **Yb:YAG/Disk(1030 nm)**, **Nd:YAG (1064 nm)** and **Fiber (976 – 1080 nm) lasers**. However, other lasers are also covered by the filter. The laser safety filter is made of a special red plastic and has a daylight transmission of approx. 57% at low thickness. The laser safety filter is **qualified** according to the regulations of **EN 12254**.

- dimensions 1000 x 1800 mm, general tolerances according to DIN ISO 2768-1, Table 1 - c
- PROTECT STANDARD for visual defects of laser protective windows
- also available in the standard size 100 x 200 mm and 210 x 297 mm
- other customized sizes available on request
- suitable window frames available on request

For a perfect and safe cleaning of this filter we recommend this cleaning spray.