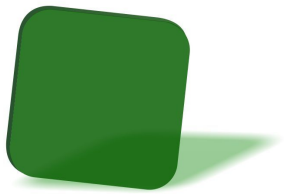
laservision

laser safety window P1H09 (3mm)



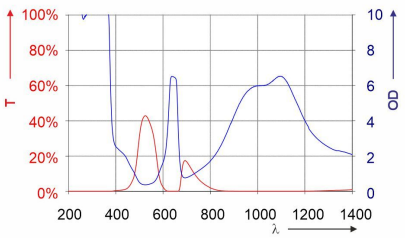
Highlights

The laser protection window 000.P1H09.1001 from laservision is suitable for Nd:YAG or fiber lasers. It is certified according to DIN EN 60825-4 and CE marked accordingly. There is a protection (OD6 +) in the NIR range at 1064nm-1100nm as well as an OD4 + in the red wavelength range from 630nm to 656nm. This enables use in machines with seam tracking sensors or similar measuring systems. It has a daylight transmission of around 18% and has sufficient visual brightness and color vision. The laser protection window 000.P1H09.1001 is available in various standard and customer-specific dimensions up to a size of 3000 x 2000 mm².

Articlenumber: 000P1H091001
GTIN: 4050369072497
Unit: 1 Stück
Weight incl. packaging 0,08 kg
Weight excl. packaging: 0,08 kg

COLOUR:	dark green
FILTER MATERIAL:	Plastic
FILTER TECHNOLOGY:	Absorption filter
FILTER THICKNESS:	ca. 3mm
PROTECTION CLASS / NORM:	EN 60825
PROTECTION RANGE:	near infrared, visible
VLT (APPROX.):	18%
VISUAL BRIGHTNESS:	Sufficient
COLOUR RECOGNITION:	Sufficient

Filtercurve



Transmissions- und OD-Kurve //
transmission and OD curve

DIN EN 60825-4

897-960nm | 124 kW/m^2 | T2 | t_{max} = 105s
960-1190nm | 166 kW/m² | T2 | t_{max} = 105s

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OD

Wellenlänge (nm)	OD
180-365	(OD8+)
>365-380	(OD4+)
>380-390	(OD2+)
>390-460	(OD1+)
600-<615	(OD1+)
615-<621	(OD2+)
621-<630	(OD3+)
630-656	(OD4+)
>656-664	(OD3+)
>664-667	(OD2+)
>667-674	(OD1+)
750-<830	(OD1+)
830-<865	(OD2+)
865-<897	(OD3+)
897-<940	(OD4+)
940-<1064	(OD5+)
1064-1100	(OD6+)
>1100-1150	(OD5+)
>1150-1190	(OD4+)
>1190-1235	(OD3+)
>1235-1280	(OD2+)
>1280-1440	(OD1+)