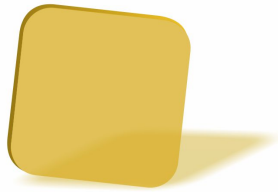


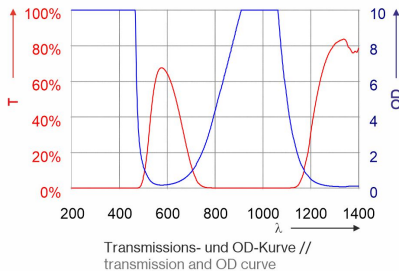
# laservision

## laser safety window P1P21 (3mm)



Articlenumber: 000P1P212006  
GTIN: 4050369053779  
Unit: 1 Stück  
Weight incl. packaging 0,49 kg  
Weight excl. packaging: 0,49 kg

### Filtercurve



### Highlights

The laservision laser safety window 000.P1P21.2006 (with a thickness of approx. 3-3.2mm) is a gold-colored laser protection window with a scratch-resistant coating. It is certified acc. three standards: EN 207; EN12245 and EN 60825-4). Due to the high ODs in the UV and blue range (OD10+ from 180 to 458 nm; OD8+ >458-462nm), the broad and high protection level within the NIR (OD5+ from 815nm to 1100nm; OD8+ from 880nm to 1075nm, and OD10+ from 940 to1055nm) and in the infrared area (OD8 + from 5230 to 14570 nm), the window is suitable for high power diodes as well as for disk, Nd: YAG, fiber or with CO<sub>2</sub> lasers. The gold-colored laser safety window is 450x300mm in size and has good color vision and VLT of appr. 50%. The maximum size can be 2000 x 1150mm. The thickness is about 3mm.

<b>COATING:</b>	Anti-scratch on both sides
<b>COLOUR:</b>	gold
<b>FILTER MATERIAL:</b>	Plastic
<b>FILTER TECHNOLOGY:</b>	Absorption filter
<b>FILTER THICKNESS:</b>	3,1 mm
<b>PROTECTION CLASS / NORM:</b>	EN 60825-4, EN 207 full protection, EN 12254
<b>PROTECTION RANGE:</b>	near infrared, Infrared, visible, ultraviolett
<b>VLT (APPROX.):</b>	50%
<b>VISUAL BRIGHTNESS:</b>	Very good
<b>COLOUR RECOGNITION:</b>	Good

## laser safety window P1P21 (3mm)

WAVELENGTH	OD	OPERATING MODE / TESTED PROTECTION LEVEL
180 - 315	–	D AB9 + IR AB4 + M AB6Y
>315 - 464	(OD8+)	D LB6 + IR LB8 + M LB8Y
>464 - 468	(OD6+)	DIRM LB6
780 - <800	–	DIRM AB3
800 - <815	–	DIRM AB4
815 - <835	–	DIRM AB5
835 - <860	(OD6+)	DIRM LB6
860 - <880	(OD7+)	D LB6 + IRM LB7
880 - <905	(OD8+)	D LB6 + IR LB8 + M LB8Y
905 - <940	(OD9+)	D LB6 + IR LB8 + M LB8Y
940 - 1055	(OD10+)	D LB6 + IR LB8 + M LB8Y
>1050 - 1075	–	D AB6 + I AB8 + R AB7 + M AB8Y
>1055 - 1065	(OD9+)	D LB6 + IR LB8 + M LB8Y
>1065 - 1075	(OD8+)	D LB6 + IR LB8 + M LB8Y
>1075 - 1081	(OD7+)	D LB6 + IRM LB7
>1081 - 1090	(OD6+)	DIRM LB6
>1090 - 1100	–	DIRM AB5
>1100 - 1110	–	DIRM AB4
4780 - 5050	–	DI AB3 + R AB3Y + M AB5Y
>5230 - 14570	(OD8+)	DI LB4 + R LB3Y + M LB6Y

## DIN EN 60825-4

200-469nm | 102 kW/m<sup>2</sup> | T2 | t<sub>max</sub> = 105s

850-1084nm | 102 kW/m<sup>2</sup> | T2 | t<sub>max</sub> = 105s

4700-25000nm | 102 kW/m<sup>2</sup> | T2 | t<sub>max</sub> = 105s

## laser safety window P1P21 (3mm)

### OD

Wavelength (NM)	OD
180 - 460	(OD10+)
>460 - 464	(OD8+)
>464 - 466	(OD6+)
780 - <800	(OD3+)
800 - <815	(OD4+)
815 - <835	(OD5+)
835 - <860	(OD6+)
860 - <880	(OD7+)
880 - <905	(OD8+)
905 - <940	(OD9+)
940 - 1055	(OD10+)
>1055 - 1065	(OD9+)
>1065 - 1075	(OD8+)
>1075 - 1081	(OD7+)
>1081 - 1090	(OD6+)
>1090 - 1100	(OD5+)
>1100 - 1110	(OD4+)
4780 - 5050	(OD5+)
5230 - 14570	(OD8+)