

Plastic

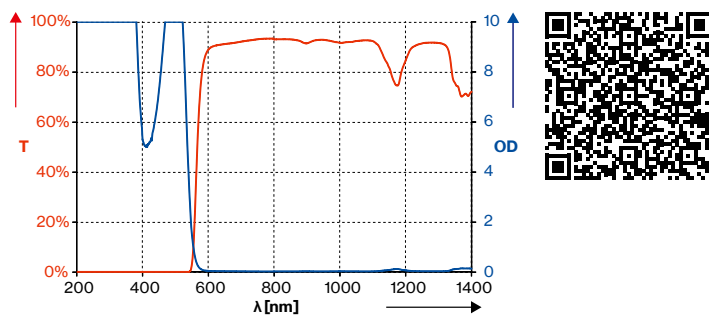
Laser Safety Windows

Window P1N01



- Standard filter for 532 nm Nd:YAG laser
- Max. dimension: 1219 × 915 mm

Transmission-/OD Curve P1N01**



Window	P1N01
Colour	Orange
Certification	OD
VLT (approx.)	38%
Visual Brightness	Sufficient
Colour View	Slightly Limited
Filter Thickness	approx. 3mm

Wavelength [nm]	OD
180 – 315	OD10+
>315 – 370	OD6+
>370 – 383	OD7+
>383 – 391	OD8+
>391 – <445	OD7+
445 – <455	OD6+
455 – <463	OD5+
463 – 524	OD4+
>524 – 532	OD2+
>532 – 535	OD3+
>535 – 538	OD4+
>538 – 541	OD5+
>541 – 545	OD6+
>545 – 550	OD7+
5400 – <10600	OD8+
10600 – 11000	OD7+

Wavelength [nm]	Certified protection levels acc. to DIN 207
180 – 315	D LB6 + R LB3 + M LB6Y
>524 – 532	D LB6 + R LB3 + M LB5Y

For the above mentioned protection levels, the laser exposure tests were carried out according to EN207 and confirmed by the independent Notified Body DIN CCERTCO (test report 1059-PZA-15). These tests can also be transferred to the surrounding wavelengths with the same OD.

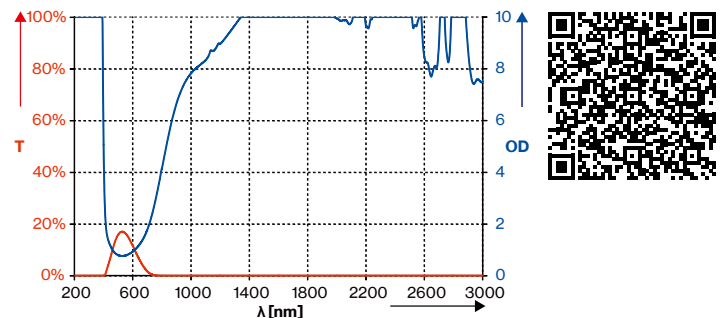
Dimension [mm]	Art. Number
200×100	000.P1N01.1001
297×210	000.P1N01.1002
450×300	000.P1N01.1006
600×450	000.P1N01.1007

Window P1P10



- Broadband highpower filter
- Anti-scratch coating as standard

Transmission-/OD Curve P1P10**



Window	P1P10
Colour	Blue
Certification	CE
VLT (approx.)	16%
Visual Brightness	Sufficient
Colour View	Good
Filter Thickness	approx. 3 o. 6 mm

Protection according to DIN EN 60825-4:2011					
3mm	830-3000nm	40,7 kW/m²	T3	t _{max} =63s	
	5200-14700nm	50,9 kW/m²	T2	t _{max} =105s	
6mm	870 – 1100nm	77 kW/m²	T2	t _{max} =210s	
	4700-25000nm	103 kW/m²	T2	t _{max} =105s	

		Filter Thickness 3mm			Filter Thickness 6mm		
Wavelength [nm]	OD	Protection levels			Protection levels		
180-315	10+	D LB10+IRM	LB4+M	LB6	D LB10+IRM	LB4+M	LB6
>315-385	8+	D LB6+IRM	LB8		D LB6+IRM	LB8	
>385-400	4+	DIRM	LB4		DIRM	LB4	
635-720	1+	DIRM	LB1		DIRM	LB1	
720-770	2+	DIRM	LB2		DIRM	LB2	
770-800	3+	DIRM	LB3		DIRM	LB3	
800-840	4+	DIRM	LB4		DIRM	LB4	
840-880	5+	DIRM	LB5		DIRM	LB5	
880-960	6+	DIRM	LB6		DIRM	LB6	
960-1030	7+	D LB6 + IRM	LB7		DIRM	LB7	
1030-1400	8+	D LB6 + IRM	LB8		D LB7 + IRM	LB8	
>1400-3600	4+	D LB3 + I	LB4 + R	LB3Y + M	D LB4 + R	LB3Y + M	LB1
>3600-4800	3+	D LB3 + R	LB3Y + M	LB1	D LB3 + R	LB3Y + M	LB1
>4800-11500	4+	D LB4 + R	LB3Y		D LB4 + R	LB3Y	
635 – 690	1-2	0,01W 1x10E-6J	RB1		0,01W 2x10E-6J	RB1	

Dimension [mm]	Art. Number [3mm]	Art. Number [6mm]
200×100	000.P1P10.2001	000.P1P10.2601
297×210	000.P1P10.2002	000.P1P10.2602
600×450	000.P1P10.2007	000.P1P10.2607
2000×1000	000.P1P10.2008	000.P1P10.2608