

Mineral Glass

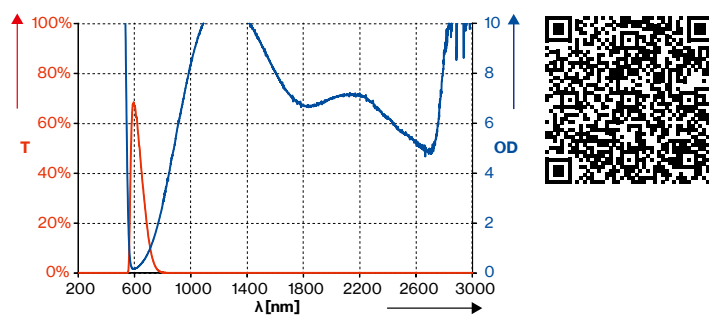
Laser Safety Windows

Window T1M01



- Broadband IR, UV and green filter
- M-ratings for ultrashort pulsed lasers (USP)
- Good daylight transmission (VLT)

Transmission-/OD Curve T1M01**



Window	T1M01
	Full Protection
Colour	Orange
Filter Material	Mineral Glass
Filtertechnology	Absorption Filter
Certification	CE
VLT (approx.)	25%
Visual Brightness	Good
Colour View	Slightly Limited
Filter Thickness	approx. 8–13mm*

Protection according to DIN EN 60825-4:2011				Ø 50mm
	200–532nm	203 kW/m ²	T2	t _{max} =105s
	890–1400nm	265 kW/m ²	T2	t _{max} =105s
	3000–25000nm	409 kW/m ²	T2	t _{max} =105s

Wavelength	[nm]	OD	Protection level {10 sec.}
180 – 315		10+	D LB10 + IR LB5
>315–532		8+	D LB7 + IR LB8 + M LB8Y
808–<890		3+	DIRM LB3
890–<940		5+	DIRM LB5
940–<1000		6+	DIRM LB6
1000–<1025		7+	DIR LB7 + M LB7Y
1025–<1100		9+	D LB7 + I LB9 + R LB8 + M LB8Y
>1100–1400		8+	D LB7 + IR LB8 + M LB8Y
>1400–3000		4+	DI LB4
>3000–11500		5+	DI LB5

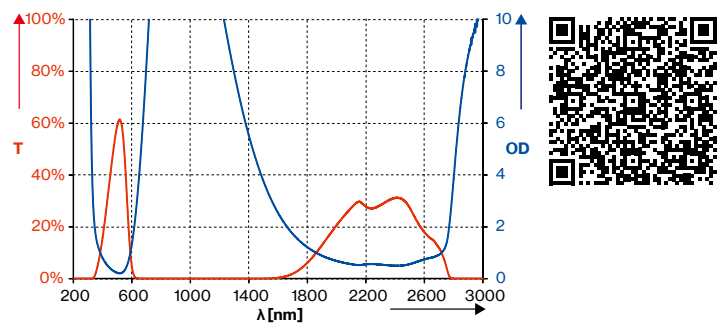
Dimension	[mm]	Art. Number
	200 x 100	000.T1M01.1001
	297 x 210	000.T1M01.1002

Window T1Q01



- Broadband filter for pump diodes, YAG- and IR-lasers
- M-protection rating
- Alignment filter for 633nm

Transmission-/OD Curve T1Q01**



Window	T1Q01
	Full Protection
Colour	Green
Filter Material	Mineral Glass
Filtertechnology	Absorption Filter
Certification	CE
VLT (approx.)	35%
Visual Brightness	Sufficient
Colour View	Slightly Limited
Filter Thickness	approx. 7mm*

Protection according to DIN EN 60825-4:2011				Ø 50mm
	690–1320nm	212 kW/m ²	T2	t _{max} =105s
	3000–25000nm	221 kW/m ²	T2	t _{max} =105s

Wavelength	[nm]	OD	Protection level {5 sec.}	Protection level {10 sec.}
690 – 795		7+	DIRM LB7	D LB6 + IRM LB7
>795 – 1100		9+	DIR LB7 + M LB9	D LB6 + IR LB7 + M LB9Y
>1100 – 1200		8+	DIR LB7 + M LB8	D LB6 + IR LB7 + M LB8
>1200 – 1320		7+	DIRM LB7	D LB6 + IRM LB7
>1320 – 1400		3+	DIRM LB3	DIRM LB3
>1400 – 1550		3+	DIR LB3	DIR LB3
10600		4+	DI LB4	DI LB4
633		2–3	O,1W 2°10–5J RB2	

Dimension	[mm]	Art. Number
	200 x 100	000.T1Q01.1001