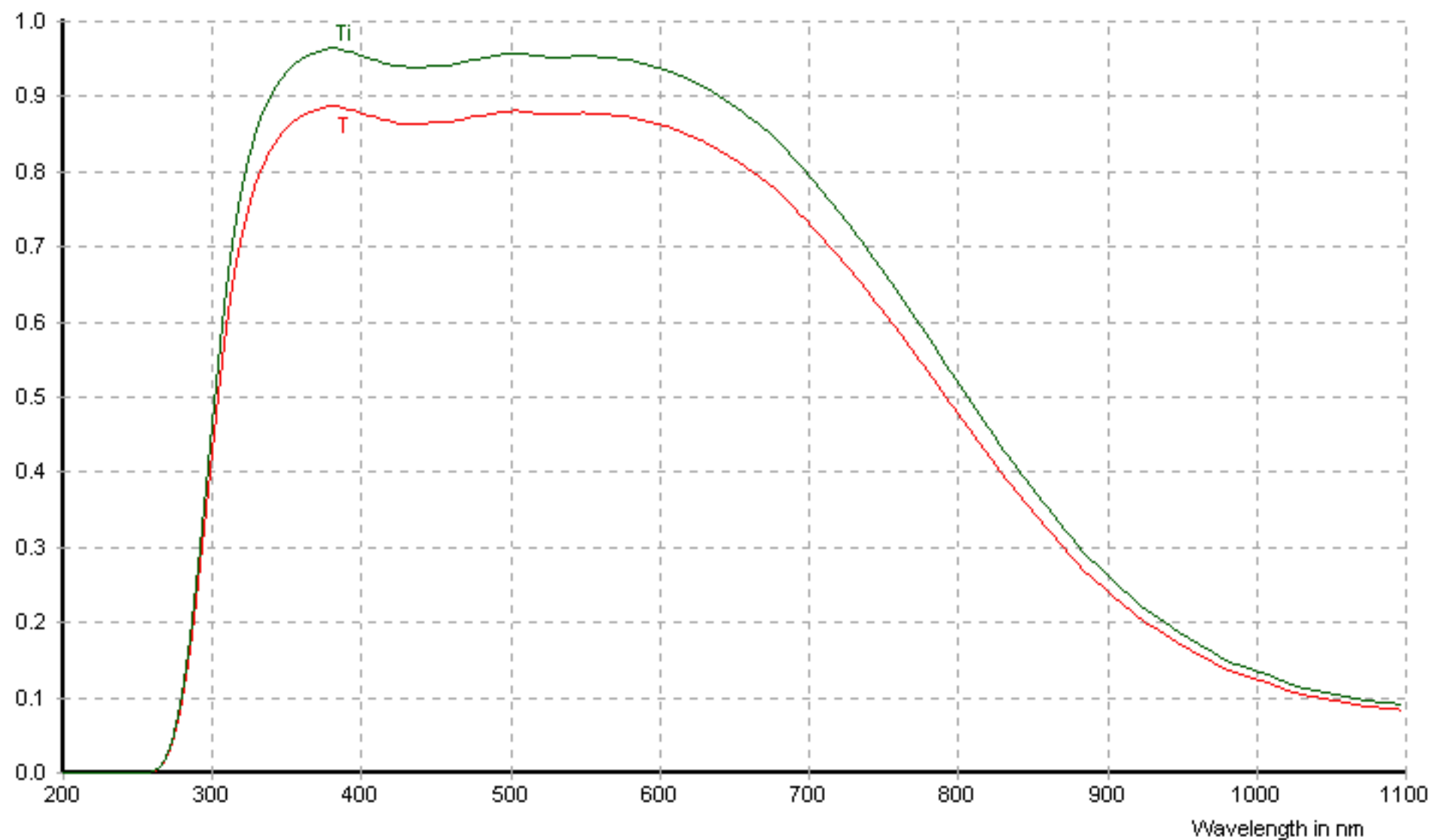


Thickness in mm : 2.0
Wavelength in nm :
Transmittance :
Internal Transmittance :

KG 2

SCHOTT
TOTAL CUSTOMER CARE



Reflection factor	
P_d	0.92
Bubble content	
Bubble class	
Chemical resistance	
FR class	0
SR class	2.0
AR class	3.0

Density	
ρ [g/cm ³]	2.52
Transformation temperature	
T_g [°C]	605
Thermal expansion	
$\alpha_{-30/+70^\circ\text{C}}$ [10 ⁻⁶ /K]	5.4
$\alpha_{20/300^\circ\text{C}}$ [10 ⁻⁶ /K]	6.3
Temperature coefficient	
T_k [nm/°C]	

Per DIN 58191 KP 814
Per DIN 58191

Ionically colored glass

Limit values of τ_i
for thickness $d_i = 2$ mm

Wave-length [nm]	Limits	Value from catalog curve
365	≥ 0.93	0.96
500	≥ 0.94	0.96
600	≥ 0.92	0.94
700	≤ 0.83	0.80
800	≤ 0.55	0.52
900	≤ 0.28	0.27
1060	≤ 0.12	0.10
2200	≤ 0.20	0.17

Refractive index n		
λ [nm]	Element	n
365	Hg	1.53
587.6	He	1.51

Tristimulus values						
	d [mm]	x	y	Y	λ_d [nm]	P_e
A	1	0.446	0.409	89	506	0.00
2856	2	0.444	0.410	87	506	0.01
K	3	0.442	0.411	84	506	0.01
	5	0.439	0.413	79	506	0.02
	1	0.422	0.400	89	505	0.00
3200	2	0.420	0.401	87	505	0.01
K	3	0.418	0.402	84	505	0.01
	5	0.415	0.404	79	505	0.02
	1	0.312	0.330	89	499	0.00
D_{65}	2	0.311	0.331	87	499	0.01
	3	0.309	0.331	85	500	0.01
	5	0.307	0.333	80	500	0.02

Application notes
Short pass filter
- see section 6.7.2

[!]
Long-term changes in the polished surface are possible under some circumstances
- see section 5.5

∇
Transmission changes are possible under the action of intense ultraviolet radiation
- see section 8.3
Status June 1997

Transmittance τ and internal transmittance τ_i at $d = 2$ mm

λ [nm]	τ	τ_i	λ [nm]	τ	τ_i
200	$< 1 \cdot 10^{-5}$	$< 1 \cdot 10^{-5}$	700	0.73	0.80
210	$< 1 \cdot 10^{-5}$	$< 1 \cdot 10^{-5}$	710	0.71	0.77
220	$< 1 \cdot 10^{-5}$	$< 1 \cdot 10^{-5}$	720	0.69	0.75
230	$< 1 \cdot 10^{-5}$	$< 1 \cdot 10^{-5}$	730	0.67	0.73
240	$< 1 \cdot 10^{-5}$	$< 1 \cdot 10^{-5}$	740	0.64	0.70
250	$< 1 \cdot 10^{-5}$	$< 1 \cdot 10^{-5}$	750	0.62	0.67
260	$9 \cdot 10^{-4}$	0.001	760	0.59	0.64
270	0.02	0.02	770	0.56	0.61
280	0.09	0.10	780	0.54	0.58
290	0.23	0.25	790	0.51	0.55
300	0.41	0.44	800	0.48	0.52
310	0.59	0.64	850	0.35	0.38
320	0.71	0.77	900	0.24	0.27
330	0.78	0.85	950	0.17	0.19
340	0.83	0.90	1000	0.13	0.14
350	0.86	0.93	1060	0.09	0.10
360	0.87	0.95	1100	0.08	0.09
370	0.88	0.96	1200	0.07	0.08
380	0.89	0.97	1300	0.07	0.08
390	0.88	0.96	1400	0.09	0.10
400	0.88	0.96	1500	0.11	0.12
410	0.87	0.95	1600	0.14	0.15
420	0.87	0.94	1700	0.17	0.19
430	0.86	0.94	1800	0.18	0.20
440	0.86	0.94	1900	0.18	0.20
450	0.87	0.94	2000	0.17	0.19
460	0.87	0.94	2100	0.16	0.17
470	0.87	0.95	2200	0.16	0.17
480	0.87	0.95	2300	0.16	0.17
490	0.88	0.95	2400	0.18	0.20
500	0.88	0.96	2500	0.19	0.21
510	0.88	0.96	2600	0.20	0.22
520	0.88	0.95	2700	0.20	0.22
530	0.88	0.95	2800	0.02	0.02
540	0.88	0.95	2900	0.004	0.004
550	0.88	0.96	3000	0.004	0.004
560	0.88	0.95	3200	0.003	0.003
570	0.87	0.95	3400	0.004	0.004
580	0.87	0.95	3600	0.006	0.007
590	0.87	0.94	3800	0.003	0.003
600	0.86	0.94	4000	$2 \cdot 10^{-4}$	$2 \cdot 10^{-4}$
610	0.86	0.93	4200	$< 1 \cdot 10^{-5}$	$< 1 \cdot 10^{-5}$
620	0.85	0.92	4400	$< 1 \cdot 10^{-5}$	$< 1 \cdot 10^{-5}$
630	0.84	0.91	4600	$< 1 \cdot 10^{-5}$	$< 1 \cdot 10^{-5}$
640	0.83	0.90	4800	$< 1 \cdot 10^{-5}$	$< 1 \cdot 10^{-5}$
650	0.82	0.89	5000	$< 1 \cdot 10^{-5}$	$< 1 \cdot 10^{-5}$
660	0.80	0.87	5200	$< 1 \cdot 10^{-5}$	$< 1 \cdot 10^{-5}$
670	0.79	0.86			
680	0.77	0.84			
690	0.75	0.82			