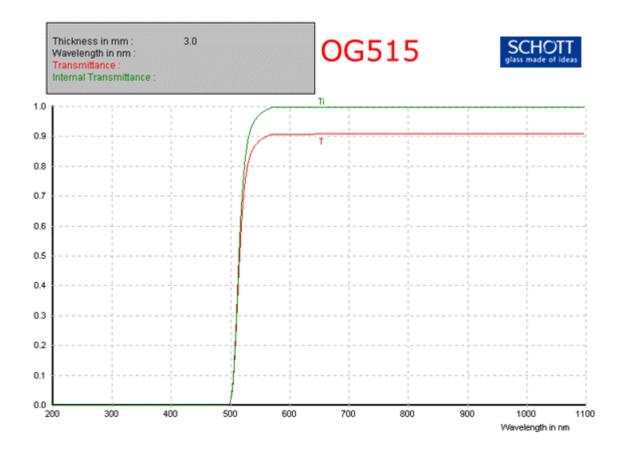


## **DATA SHEET**

## **SCHOTT OG515**



<b>SCHOTT</b>		OG515					
Reflection factor Pd 0.91 Bubble content Bubble class 3 Chemical resistance FR class 3 SR class 4.4 AR class 1.0	Transfor Tg (°C) Thermal C-30/470°C C-20/300°C Tempera	p [g/cm³] 2.76 Transformation temperature			Per DIN 58191 LP 515 Per DIN 58191 Colloidally colored glass		
Tolerances for long pass filters for thickness d = 3 mm	Transmi λ [nm]	ttance τ and τ	internal trans	mittance τ <sub>i</sub> λ [nm]	at d = 3 mm τ	τ <sub>i</sub>	
· ( 0.5) ()	200	-1.105	-1.105	700	0.04	4.00	
$_{\mathbb{C}}$ ( $\tau_{i} = 0.5 \text{ mm}$ ) [nm] 515±6 $_{\mathbb{S}}$ ( $\tau_{i}_{\mathbb{S}} = 1 \cdot 10^{-5}$ ) [nm] 470 $_{\mathbb{P}}$ ( $\tau_{i}_{\mathbb{P}} = 0.99$ )[nm] 570	200 210	<1·10·5 <1·10·5	<1·10·5 <1·10·5	700 710	0.91	1.00	
(t <sub>is</sub> = 1·10~) [nm] 4/0 (t <sub>is</sub> = 0.99 )[nm] 570	220	<1.10-5	<1.10.5	710	0.91	1.00	
( op = 0.55 Minn) 570	230	<1.10-5	<1.10.6	720	0.91	1.00	
	240	<1.10-5	<1.10.6	730 740	0.91	1.00	
	250	<1.10-5	<1.10-5	750	0.91	1.00	
	260	<1.10-5	<1-10-5	760	0.91	1.00	
	270	<1.10-5	<1-10-5	770	0.91	1.00	
	280	<1.10-5	<1.10-6	780	0.91	1.00	
efractive index n	290	<1.10-5	<1.10-6	790	0.91	1.00	
[nm] Element n	300	<1.10-5	<1.10-5	800	0.91	1.00	
37.6 He 1.54	310	<1.10-5	<1.10-5	850	0.91	1.00	
52.1 Cs 1.53	320	<1.10-5	<1-10-5	900	0.91	1.00	
014 Hg 1.53	330	<1.10-5	<1.10.6	950	0.91	1.00	
	340	<1.10-5	<1.10.6	1000	0.91	1.00	
	350	<1.10-5	<1.10-5	1060	0.91	1.00	
istimulus values	360	<1.10-5	<1.10-5	1100	0.91	1.00	
d x y Y λ <sub>d</sub> P <sub>e</sub>	370	<1.10-5	<1-10-5	1200	0.91	1.00	
[mm] [nm]	380	<1.10-5	<1-10-5	1300	0.91	1.00	
1 0.521 0.469 85 582 0.94	390	<1.10-5	<1.10.6	1400	0.91	1.00	
856 2 0.527 0.466 84 583 0.95	400	<1.10-5	<1.10.5	1500	0.91	1.00	
3 0.531 0.463 82 583 0.96	410	<1.10-5	<1.10.5	1600	0.91	1.00	
5 0.537 0.458 80 584 0.97	420	<1.10-5	<1-10-5	1700	0.91	1.00	
1 0.510 0.479 85 580 0.94	430	<1.10-5	<1-10-5	1800	0.91	1.00	
200 2 0.517 0.475 83 581 0.96	440	<1.10-5	<1.10.5	1900	0.90	0.99	
3 0.521 0.472 81 582 0.97	450	<1.10-5	<1.10.6	2000	0.90	0.99	
5 0.527 0.467 79 583 0.97	460	<1.10-5	<1.10-5	2100	0.90	0.99	
1 0.458 0.524 80 573 0.95	470	<1.10-5	<1.10-5	2200	0.89	0.98	
65 2 0.468 0.519 77 574 0.97	480	<1.10-5	<1-10-5	2300	0.89	0.98	
3 0,475 0,515 75 575 0,97	490	<1.10-5	<1-10-5	2400	0.88	0.97	
5 0.484 0.508 73 576 0.98	500	0.005	0.006	2500	0.87	0.96	
	510	0.22	0.24	2600	0.86	0.95	
oplication notes	520	0.63	0.69	2700	0.81	0.89	
ong pass filter	530	0.81	0.89	2800	0.27	0.30	
see section 6.7.1	540	0.86	0.95	2900	0.17	0.19	
	550	0.89	0.97	3000	0.12	0.13	
	560	0.90	0.99	3200	0.09	0.10	
	570	0.91	1.00	3400	0.06	0.07	
	580	0.91	1.00	3600	0.05	0.06	
	590	0.91	1.00	3800	0.06	0.07	
	600	0.91	1.00	4000	0.09	0.10	
	610	0.91	1.00	4200	0.07	0.08	
	620	0.91	1.00	4400	0.03	0.03	
	630	0.91	1.00	4600	6-10-4	6-10-4	
	640	0.91	1.00	4800	<1.10-5	<1-10-5	
	650	0.91	1.00	5000	<1.10-5	<1.10.5	
	660	0.91	1.00	5200	<1.10-5	<1-10-5	
	670	0.91	1.00				
	680	0.91	1.00				
tatus June 1997	690	0.91	1.00				

WHILE EVERY ATTEMPT HAS BEEN MADE TO VERIFY THE SOURCE OF THE INFORMATION, NO RESPONSIBILITY IS ACCEPTED FOR ACCURACY OF DATA.

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