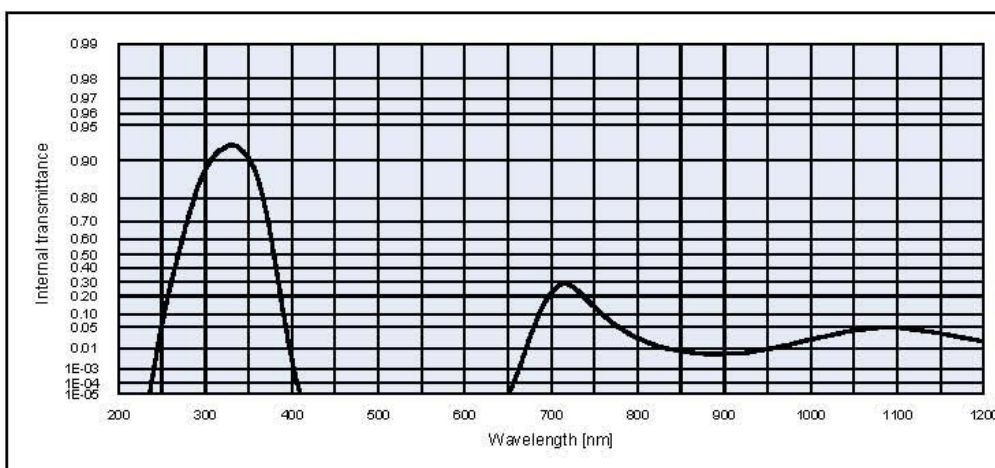


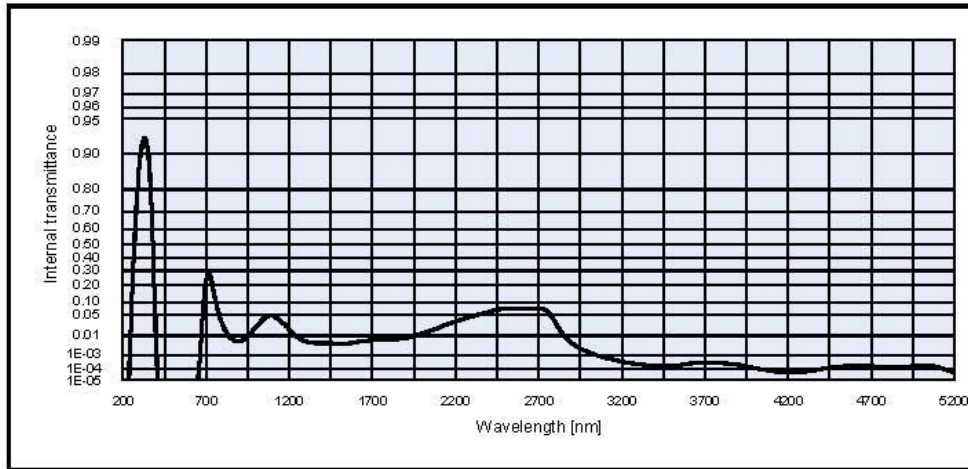
Data Sheet

SCHOTT

UG11			Density		Notes Ionically colored glass Band pass filter [!] Long-term changes in the polished surface are possible v Transmission changes are possible under the action of intense ultraviolet radiation All data without tolerances are to be understood to be reference values. Guaranteed values are only those values listed in the section "Spectral values guaranteed".
Reflection factor		Bubble content			
P_d	0.91	Bubble class			
Reference thickness		Chemical resistance			
d [mm]	1	FR class	0		
Spectral values guaranteed		SR class	3.0		
ti (254 nm)	≥ 0.06	AR class	2.2		
ti (334 nm)	≥ 0.90	Transformation temperature			
ti (405 nm)	≤ 0.001	Tg [°C]			
ti (694 nm)	≤ 0.26	545			
ti (725 nm)	≤ 0.32	Thermal expansion			
Refractive index n		$\alpha_{20/20} [10^{-6}/K]$	7.8		
λ [nm]	Element	n			
365	Hg	1.59	$\alpha_{20/20} [10^{-6}/K]$		
587.6	He	1.56	9.0		
			$\alpha_{20/20} [10^{-6}/K]$		
Temperature coefficient		$T_k [nm/°C]$			

Colorimetric evaluation																
Illuminant		A (Planck T = 2856 K)			Illuminant			Planck T = 3200 K			Illuminant			D65 (T _c = 6504 K)		
d [mm]		1	2	3	d [mm]		1	2	3	d [mm]		1	2	3		
x					x					x						
y					y					y						
Y					Y					Y						
λ_0 [nm]					λ_0 [nm]					λ_0 [nm]						
P _s					P _s					P _s						





Internal transmittance τ_i at reference thickness d [mm] = 1
 The internal transmittance values, tabulated and graphically represented, are reference values only

λ [nm]	τ_i	λ [nm]	τ_i	λ [nm]	τ_i	λ [nm]	τ_i	λ [nm]	τ_i	λ [nm]	τ_i
200	< 1.0E-05	500	< 1.0E-05	800	2.4E-02	1100	4.9E-02	2200	3.2E-02	3700	3.2E-04
210	< 1.0E-05	510	< 1.0E-05	810	1.8E-02	1110	4.6E-02	2250	3.8E-02	3750	3.2E-04
220	< 1.0E-05	520	< 1.0E-05	820	1.4E-02	1120	4.3E-02	2300	4.6E-02	3800	3.0E-04
230	< 1.0E-05	530	< 1.0E-05	830	1.1E-02	1130	3.9E-02	2350	5.3E-02	3850	2.6E-04
240	6.1E-04	540	< 1.0E-05	840	9.1E-03	1140	3.7E-02	2400	6.0E-02	3900	2.2E-04
250	5.6E-02	550	< 1.0E-05	850	8.0E-03	1150	3.3E-02	2450	6.8E-02	3950	1.7E-04
260	2.8E-01	560	< 1.0E-05	860	7.0E-03	1160	3.0E-02	2500	7.0E-02	4000	1.2E-04
270	5.2E-01	570	< 1.0E-05	870	6.3E-03	1170	2.7E-02	2550	7.0E-02	4050	9.0E-05
280	7.1E-01	580	< 1.0E-05	880	5.9E-03	1180	2.4E-02	2600	7.0E-02	4100	6.7E-05
290	8.3E-01	590	< 1.0E-05	890	5.8E-03	1190	2.1E-02	2650	7.2E-02	4150	5.7E-05
300	8.8E-01	600	< 1.0E-05	900	5.9E-03	1200	1.8E-02	2700	7.0E-02	4200	5.2E-05
310	9.1E-01	610	< 1.0E-05	910	6.1E-03	1250	8.8E-03	2750	6.4E-02	4250	5.4E-05
320	9.2E-01	620	< 1.0E-05	920	6.4E-03	1300	5.5E-03	2800	3.0E-02	4300	6.1E-05
330	9.3E-01	630	< 1.0E-05	930	7.0E-03	1350	4.6E-03	2850	1.1E-02	4350	7.6E-05
340	9.2E-01	640	< 1.0E-05	940	8.1E-03	1400	4.8E-03	2900	4.8E-03	4400	1.0E-04
350	9.1E-01	650	< 1.0E-05	950	9.4E-03	1450	4.7E-03	2950	2.5E-03	4450	1.4E-04
360	8.7E-01	660	3.6E-04	960	1.1E-02	1500	4.3E-03	3000	1.6E-03	4500	1.7E-04
370	7.6E-01	670	8.1E-03	970	1.3E-02	1550	4.3E-03	3050	1.0E-03	4550	1.7E-04
380	4.8E-01	680	5.0E-02	980	1.5E-02	1600	5.0E-03	3100	7.0E-04	4600	1.8E-04
390	1.2E-01	690	1.4E-01	990	1.8E-02	1650	6.0E-03	3150	5.0E-04	4650	1.7E-04
400	4.0E-03	700	2.2E-01	1000	2.1E-02	1700	6.6E-03	3200	3.7E-04	4700	1.7E-04
410	1.0E-05	710	2.8E-01	1010	2.5E-02	1750	6.7E-03	3250	2.9E-04	4750	1.6E-04
420	< 1.0E-05	720	2.8E-01	1020	2.8E-02	1800	6.8E-03	3300	2.4E-04	4800	1.5E-04
430	< 1.0E-05	730	2.4E-01	1030	3.3E-02	1850	7.2E-03	3350	2.1E-04	4850	1.5E-04
440	< 1.0E-05	740	1.9E-01	1040	3.7E-02	1900	8.0E-03	3400	1.8E-04	4900	1.6E-04
450	< 1.0E-05	750	1.4E-01	1050	4.1E-02	1950	1.0E-02	3450	1.8E-04	4950	1.7E-04
460	< 1.0E-05	760	9.7E-02	1060	4.4E-02	2000	1.2E-02	3500	1.9E-04	5000	1.9E-04
470	< 1.0E-05	770	6.7E-02	1070	4.6E-02	2050	1.6E-02	3550	2.1E-04	5050	1.9E-04
480	< 1.0E-05	780	4.7E-02	1080	4.8E-02	2100	2.0E-02	3600	2.6E-04	5100	1.4E-04
490	< 1.0E-05	790	3.3E-02	1090	4.8E-02	2150	2.6E-02	3650	3.0E-04	5150	9.4E-05

While every attempt has been made to verify the source of the information, no responsibility is accepted for accuracy of data.



THE NORMAN IND. EST, 99-101 CAMBRIDGE ROAD, MILTON, CAMBRIDGE, CB24 6AT
 TEL: + 44 (0) 1223 420329 FAX: + 44 (0) 1223 420506 EMAIL: info@uqgoptics.com