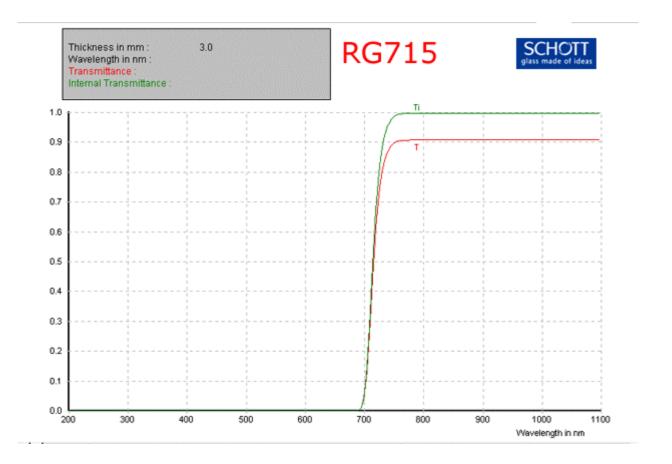


## DATA SHEET SCHOTT RG715





## **RG715**

Reflection factor 0	Density ρ [g/cm³] 2.75 Transformation temperature Τg [°C] 589 Thermal expansion α.30/+70*C [10*6/K] 9.8 α.20/300*C [10*6/K] 10.7 Temperature coefficient			Per DIN 58 Per DIN 58	3191	LP 715
	T <sub>k</sub> (nm/°	C)	0.18	Colloidai	ly colored	yıass
olerances for long pass fitters	Transmitt		internal trans	smittance τ <sub>,</sub> a		
or thickness d = 3 mm	λ [nm]	τ	$\mathbf{\tau}_{i}$	እ [nm] ՝	τ	$\tau_{i}$
$I_C$ ( $\tau_i = 0.5 \text{ mm}$ ) [nm] 715±9 $I_S$ ( $\tau_{iS} = 1.10^{-5}$ ) [nm] 600 $I_S$ ( $\tau_{ip} = 0.99$ )[nm] 780	200	<1.10-5	<1.10.5	700	0.04	0.04
c (τ <sub>iS</sub> = 1·10·5) [nm] 600	210	<1.10-5	<1.10.5	710	0.28	0.31
t <sub>ip</sub> = 0.99 )[nm] 780	220	<1.10-5	<1.10.5	720	0.61	0.67
	230	<1.10-5	<1.10.6	730	0.80	0.87
	240	<1.10-5	<1.10.5	740	0.87	0.96
	250	<1.10-5	<1.10.5	750	0.90	0.99
	260	<1.104	<1.10-5	760	0.91	1.00
	270 280	<1·10·5 <1·10·5	<1·10·5 <1·10·5	770 780	0.91	1.00
dractive index e	290	<1.10-5	<1.10.5	790	0.91	1.00
efractive index n [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	<1.10.5	950	0.91	1.00
	340	<1.10-5	<1.10.5	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	390	<1.10-5	<1.10.6	1400	0.91	1.00
856 2	400	<1.10-5	<1.10.5	1500	0.91	1.00
. 3 5	410	<1.10-5	<1.10.5	1600	0.91	1.00
1	420 430	<1·10·5 <1·10·5	<1·10·5 <1·10·5	1700 1800	0.91	1.00
200 2	440	<1.10-5	<1.10.5	1900	0.90	0.99
	450	<1.10-5	<1.10.6	2000	0.90	0.99
3 5	460	<1.10-5	<1.10.6	2100	0.90	0.99
1	470	<1.10-5	<1.10.5	2200	0.90	0.99
	480	<1.10-5	<1.10.5	2300	0.89	0.98
3	490	<1.10-5	<1.10.6	2400	0.88	0.97
5	500	<1.10-5	<1.10.5	2500	0.86	0.95
	510	<1.10-5	<1.10.5	2600	0.86	0.94
pplication notes	520	<1.10-6	<1.10.6	2700	0.78	0.86
ong pass filter	530	<1.10-5	<1.10.5	2800	0.19	0.21
see section 6.7.1	540	<1.10-5	<1.10.5	2900	0.14	0.15
	550 560	<1.10.5	<1·10·6 <1·10·6	3000 3200	0.11	0.12
	570	<1.10-5	<1.10.5	3400	0.05	0.05
	580	<1.10-5	<1.10.5	3600	0.03	0.03
	590	<1.10-5	<1.10-6	3800	0.05	0.06
	600	<1.10-5	<1.10.5	4000	0.07	0.08
	610	<1.10-5	<1.10.5	4200	0.05	0.06
	620	<1.10-5	<1.10.6	4400	0.02	0.02
	630	<1.10-5	<1.10.5	4600	9-10-4	0.001
	640	<1.10-5	<1.10.5	4800	<1.10-5	<1.10
	650	<1.10-5	<1.10.5	5000	<1.10-5	<1.104
	660	<1.10-5	<1.10.5	5200	<1.10-5	<1.104
	670	<1.10-5	<1.10.5			
tatus June 1997	680	<1.10-5	<1.10.6			
	690	9-10-4	0.001	I .		

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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