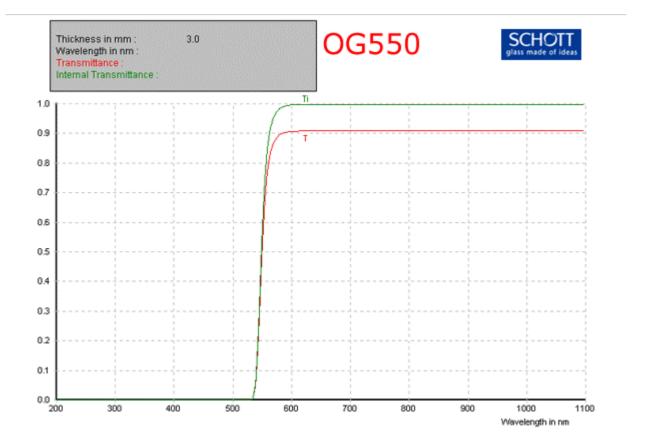


DATA SHEET SCHOTT OG550



SCHOTT	OG550		
Reflection factor P. 0.91 Bubble content Bubble class 3 Chemical resistance FR class 3 SR class 4.4 AR class 1.0	Density $\rho \left[g/cm^3 \right] \qquad 2.76$ Transformation temperature Tg [*C] 597 Thermal expansion $\alpha_{.30/470^{\circ}\text{C}} \left[10^{.6}/\text{K} \right] \qquad 9.6$ $\alpha_{.20/300^{\circ}\text{C}} \left[10^{.6}/\text{K} \right] \qquad 10.7$ Temperature coefficient T _k [nm/*C] 0.13	Per DIN 58191 Per DIN 58191 Colloidally colored	LP 550 glass
olerances for long pass filters or thickness d = 3 mm	Transmittance τ and internal trans λ [nm] τ $\tau_{\rm i}$	mittance τ _i at d = 3 mm λ (nm) τ	τ,
$c_{C}(\tau_{i} = 0.5 \text{ mm}) \text{ [nm]} $ 550±6 $c_{S}(\tau_{iS} = 1.10.5) \text{ [nm]} $ 510 $c_{D}(\tau_{ip} = 0.99) \text{ [nm]} $ 610	200 <1.10-6 <1.10-6 210 <1.10-5 <1.10-5 220 <1.10-5 <1.10-6 230 <1.10-6 <1.10-6 240 <1.10-6 <1.10-6 250 <1.10-6 <1.10-6 260 <1.10-6 <1.10-6 270 <1.10-6 <1.10-6	700 0.91 710 0.91 720 0.91 730 0.91 740 0.91 750 0.91 760 0.91 770 0.91	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
efractive index n .[nm] Element n 87.6 He 1.54 52.1 Cs 1.53 014 Hg 1.53	280 <1.10.5 <1.10.5 290 <1.10.5 <1.10.5 300 <1.10.5 <1.10.5 310 <1.10.5 <1.10.5 320 <1.10.5 <1.10.5 330 <1.10.5 <1.10.5 330 <1.10.5 <1.10.5 330 <1.10.5 <1.10.5 340 <1.10.5 <1.10.5	780 0.91 790 0.91 800 0.91 850 0.91 900 0.91 950 0.91 1000 0.91 1060 0.91	1.00 1.00 1.00 1.00 1.00 1.00 1.00
ristimulus values d	360	1100 0.91 1200 0.91 1300 0.91 1400 0.91 1500 0.91 1500 0.91 1600 0.91 1700 0.91 1800 0.90 2000 0.90 2100 0.90 2200 0.89 2300 0.89 2400 0.88 2500 0.87 2600 0.86	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
pplication notes ong pass filter see section 6.7.1	520 <1.10.6	2700 0.80 2800 0.23 2900 0.14 3000 0.10 3200 0.08 3400 0.07 3600 0.05 4000 0.07 4200 0.05 4400 0.02 4600 9·10·4 4800 <1·10·6 5200 <1·10·6	0.88 0.25 0.15 0.11 0.09 0.08 0.06 0.08 0.06 0.02 0.001 <1.10 ⁶ <1.10 ⁶

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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