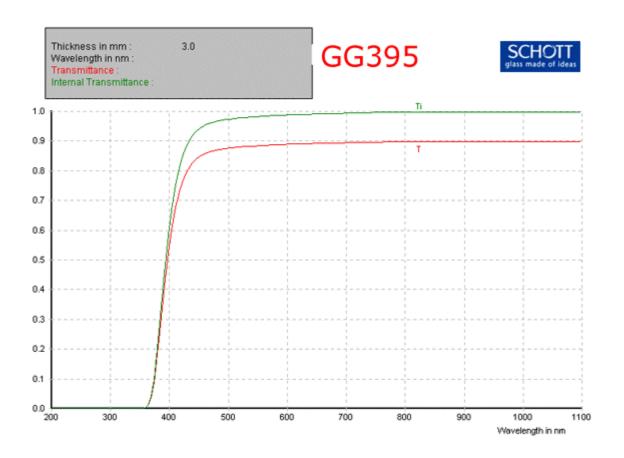


DATA SHEET

SCHOTT GG395





GG395

Reflection factor 0.90 Pd 0.90 Bubble content 1 Bubble class 1 Chemical resistance FR class FR class 0 SR class 1 AR class 2.3	Density ρ (g/cm ³) Transformation temper Tg (*C) Thermal expansion α _{-30/470*C} (10-6/K) α _{2000*C} (10-6/K) Temperature coefficient T _k (nm/*C)	438	Per DIN 5819 Per DIN 5819 Ionically co	91	LP 395
Tolerances for long pass filters for thickness d = 3 mm	Transmittance τ and λ [nm] τ	internal trans τ _i		l = 3 mm c	τ
$\begin{array}{lll} \lambda_{\rm C} \; (\tau_{\rm i}=0.5\;{\rm mm})\; [{\rm nm}] & 395\pm3\\ \lambda_{\rm S} \; (\tau_{\rm iS}=1\cdot10^{-5})\; [{\rm nm}] & 350\\ \lambda_{\rm p1} \; (\tau_{\rm ip1}=0.95\;\;) [{\rm nm}] & 470\\ \lambda_{\rm p2} \; (\tau_{\rm ip2}=0.99\;\;) [{\rm nm}] & 700 \end{array}$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	<1.10.5 <1.10.5 <1.10.5 <1.10.5 <1.10.5 <1.10.5 <1.10.5 <1.10.5 <1.10.5 <1.10.5	710 (720 (730 (740 (750 (760 (770 (D.89 D.89 D.90 D.90 D.90 D.90 D.90 D.90 D.90 D.9	0.99 0.99 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Refractive index n λ (nm) Element n 404.7 Hg 1.65 587.6 He 1.62 1014 Hg 1.60	290 <1.10-5 300 <1.10-5 310 <1.10-5 320 <1.10-5 330 <1.10-5 340 <1.10-5	<1.10.5 <1.10.5 <1.10.5 <1.10.5 <1.10.5 <1.10.5 <1.10.5 <1.10.5	790 (800 (850 (900 (950 (1000 (D.90 D.90 D.90 D.90 D.90 D.90 D.90	1.00 1.00 1.00 1.00 1.00 1.00
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	<1.10-5 0.002 0.04 0.19 0.40 0.60 0.74 0.83 0.83 0.92 0.94 0.95 0.96 0.96 0.97 0.97 0.97 0.97	1100 0 1200 0 1300 0 1400 0 1500 0 1600 0 1700 0 1800 0 2000 0 2100 0 2200 0 2300 0 2400 0 2500 0 2600 0	D 90 D 90 D 90 D 90 D 90 D 90 D 90 D 90	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.99 0.99 0.99 0.99 0.98 0.96 0.96 0.94
Application notes Long pass filter - see section 6.7.1	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.98 0.98 0.98 0.98 0.99 0.99 0.99 0.99	2700 (2800 (2900 (3000 (3200 (3400 (3600 (4000 (4200 (4400 (4400 (4400 (4600 (4800 (5000 (0.77 0.31 0.29 0.27 0.14 0.14 0.14 0.19 0.22 0.18 0.08 0.009 3.10 ⁴ <1.10 ⁵	0.86 0.86 0.34 0.32 0.30 0.20 0.15 0.21 0.24 0.20 0.09 0.01 3.10 ⁴ <1.10 ⁵
Status June 1997	680 0.89 690 0.89	0.99 0.99			

WHILE EVERY ATTEMPT HAS BEEN MADE TO VERIFY THE SOURCE OF THE INFORMATION, NO RESPONSIBILITY IS ACCEPTED FOR ACCURACY OF DATA. UQG LTD, THE NORMAN INDUSTRIAL ESTATE, 99-101 CAMBRIDGE ROAD, MILTON, CAMBRIDGE, CB4 6AT, ENGLAND. TEL: +44 (0) 1223 420329 FAX: +44 (0) 1223 420506