



DATA SHEET

DICHROIC COLOUR RED FILTERS

UQG Optics shift-free colour filters are dielectric coated interference filters which transmit certain regions of the visible spectrum and reflect others with the highest possible degree of efficiency.

TECHNICAL DATA

Angles of Incidence: $0^\circ (\pm 15^\circ)$, other angles on request

Substrate material: Heat resistance borosilicate glass

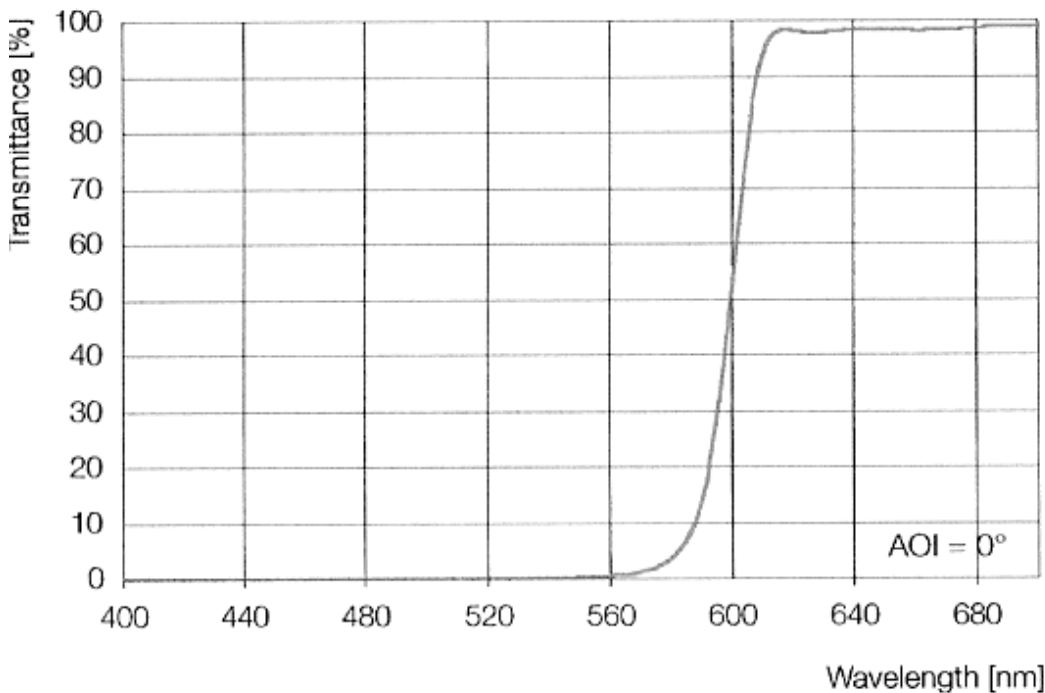
Temperature stability: up to 350°C (mechanical & spectral)

BENEFITS

- Sharp spectral separation between transmission & reflection with highest transmission & reflection values
- Spectral stability at changing operating temperatures & humidity (shift-free)
- Narrow cut-on/cut-off tolerances ($<1\%$) & excellent spectral uniformity
- Highest scratch & mechanical resistance
- Virtually absorption free for utmost transmission & reflection efficiency & minimum thermal stress
- Aging and fading free colours
- Ultimate colour saturation
- Widest flexibility in custom designed colours, polarisation planes, angles of incidence (AOI), substrate material and dimensions.
- Engineering support for custom designed colour management systems
- Specification in CIE chromaticity co-ordinates with luminous transmission for signal lighting applications

DT-Red

Principle curve



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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