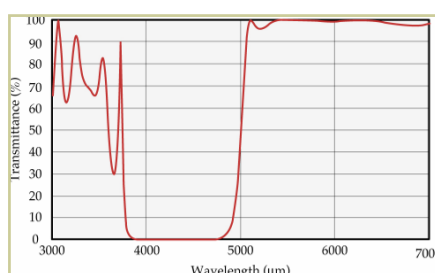


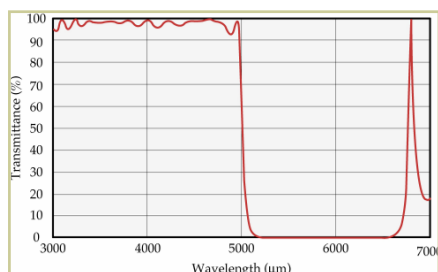
Long & Short Pass Filters

Long-pass and short-pass filters are useful for defining spectral regions or as dichroic beamsplitters. These are thin film filters deposited onto BK7 or UV Fused Silica substrates. They are arranged to have a very sharp cut-off. However, the reflection

region is limited so it is important to specify clearly the

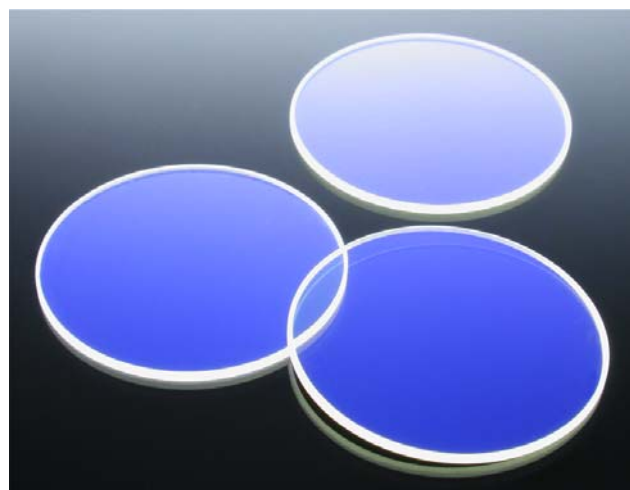


rejection wavelength range required. Normally high reflection and high transmission wave-



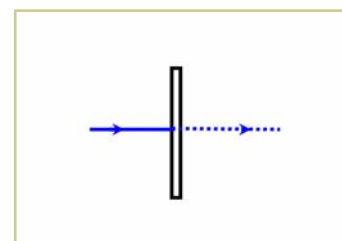
lengths should be separated by at least 100nm.

Cut-off points can be selected in the range 400 to 1000 nm in 50nm increments.



These filters are circular in shape. Diameters are: 25.4 and 50.8 mm (1" and 2").

Thickness is 1.5 mm for the 1" diameter filters and 2.0mm for the 2" diameter filters.



Typical Specifications

Material:	BK7, U V Fused Silca
Surface flatness:	$2\lambda / 25\text{mm}$
Surface quality:	60/40
Centration:	< 3 arcmin
Diameter:	+/- 0.2 mm
Thickness:	± 0.2 mm
Cut-off:	50% of peak transmittance
Accuracy:	$\pm 3\%$ of wavelength
Clear aperture:	> 85% of diameter
Pass band:	Tave > 85% at 0°
Rejection band:	Rave > 99.5% at 0°

To request a quote or to order, please specify:

Quantity — Substrate Material — Diameter — Long Pass or Short Pass — Cut-off Wavelength

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For a quotation — please phone, fax or email us with details of your requirements.