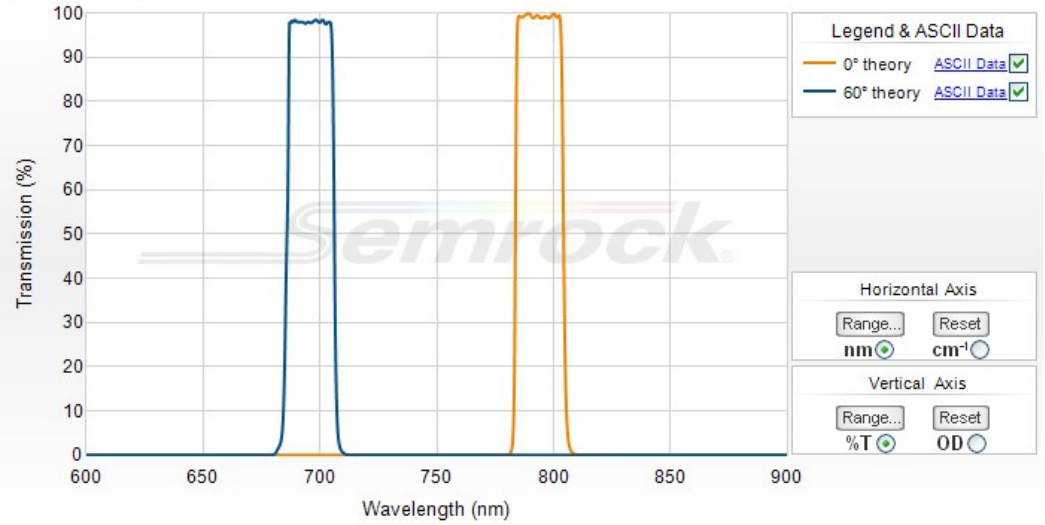
790/12 nm VersaChrome® tunable bandpass filter
Part Number: TBP01-790/12-25x36



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(within US and Canada)

Your filter spectrum may differ slightly from the typical spectrum above, but is certified to meet the optical specifications noted below.

790/12 nm VersaChrome® tunable bandpass filter

VersaChrome filters do what no thin-film filter has done before – offer tunability over a very wide range of wavelengths by adjusting the angle of incidence with essentially no change in spectral performance. They combine the spectral characteristics and two-dimensional imaging performance of a thin-film filter with the wavelength-tuning flexibility of a diffraction grating.

Part Number	Size	Price[1]	Stock Status
TBP01-790/12-25x36	25.2 mm x 35.6 mm x 2.0 mm (unmounted)	$945	In Stock

Don't see a size you need? Contact us for custom sizing – available in less than a week (sizing fee applies).

1) US domestic pricing only. If you are ordering from outside the US, please contact your nearest regional distributor for the correct list price.

Optical Specifications

Specification	Value
Transmission Band 1	T_{avg} > 90%
Center Wavelength 1	790 nm (minimum)
Guaranteed Minimum Bandwidth 1	12 nm
FWHM Bandwidth 1 (nominal)	20 nm
Blocking Band 1	OD_{avg} > 6 275 – 1100 nm
Cuton Transition Width	2% (from blocking to transmission)
Cutoff Transition Width	3% (from transmission to blocking)
Transmission Band 1 (60 deg)	T_{avg} > 85%
Center Wavelength 1 (60 deg)	703.8 nm (minimum)
Guaranteed Minimum Bandwidth 1 (60 deg)	12 nm
FWHM Bandwidth 1 (nominal) (60 deg)	20 nm
Blocking Band 1 (60 deg)	OD_{avg} > 6 275 – 925 nm
Cuton Transition Width (60 deg)	3% (from blocking to transmission)
Cutoff Transition Width (60 deg)	3% (from transmission to blocking)

General Filter Specifications

Specification	Value
Angle of Incidence	0 – 60 degrees
Cone Half-angle	0 degrees
Optical Damage Rating	Not tested
Effective Index	1.8

Physical Filter Specifications (applies to standard sized parts; contact us regarding other sizes)

Specification	Value

Transverse Dimensions (L x W)	25.2 mm x 35.6 mm
Transverse Tolerance	± 0.1 mm
Filter Thickness (unmounted)	2.0 mm
Filter Thickness Tolerance (unmounted)	± 0.1 mm
Clear Aperture	≥ 80% (elliptical)
Scratch-Dig	60-40
Substrate Thickness (unmounted)	2.0 mm
Substrate Thickness Tolerance (unmounted)	± 0.1 mm
Orientation	Reflective surface marked with part number - Orient in direction of incoming light