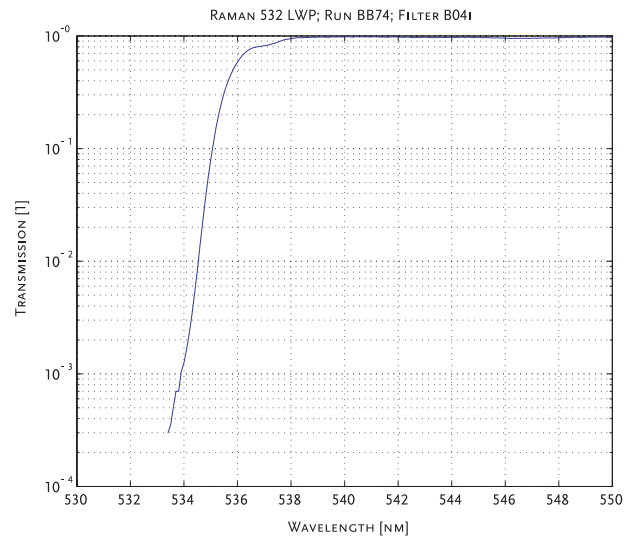
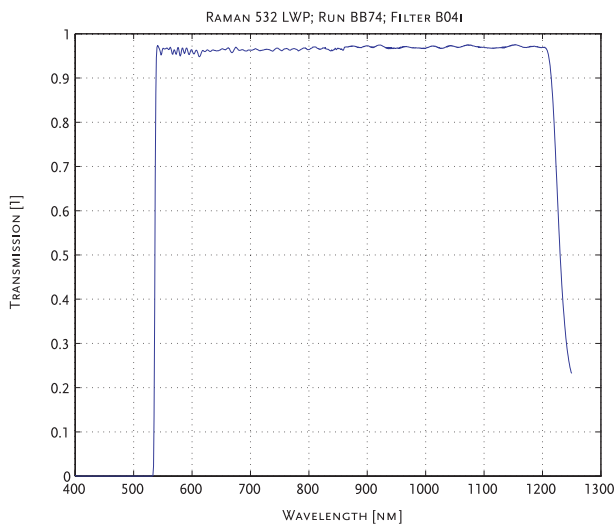


### Extreme Steep Edge Filters for Raman Spectroscopy

- ▶ NANEO | STOKES is a high performance long pass filter that provides dramatically improved Stokes-edge steepness, deep blocking and very high transmission of the pass band. The hard oxide films are manufactured by Ion Beam Sputtering. The filters are virtually unaffected by fluctuations of humidity or temperature thereby offering optimal and constant performance even in harsh environments.



Measured transmission spectrum of a Raman long pass filter with 532 nm cut-off, the signal in the blocking range is not resolved by the spectrometer

#### Specifications

**Laser line blocking** : > OD 6  
**Edge steepness** : ~ 0.5% of laser wavelength  
**Signal transmission** : > 97% average

#### Specifications

**Temperature shift** : < 5 ppm/°K  
**Operating range** : < 300°F (150°C)  
**AOI** : 0° - 3°

Laser Wavelength [nm]	Rejection Bandwidth [nm]	Transition Width	Transition Width [cm <sup>-1</sup> ]	Passband [nm]	
355.0 nm	> 60	< 3.6	< 278	359.2 - 1200	"Transition Width" is the guaranteed maximum difference between the laser wavelength and the 50% transmission point.
488.0 nm	> 110	< 4.9	< 203	494.0 - 1200	
514.5 nm	> 120	< 5.1	< 191	521.0 - 1200	
532.0 nm	> 125	< 5.3	< 186	538.5 - 1200	
632.8 nm	> 145	< 6.3	< 155	640.5 - 1200	
785.0 nm	> 180	< 7.9	< 127	794.2 - 1200	

#### Available sizes from stock

Diameter 1.0 inch, thickness 6.35 mm  
 Square 8 x 16 mm, thickness 3.5 mm

Other sizes on request (diameter up to 2.0 inches, square from 6x6 up to 20x20)