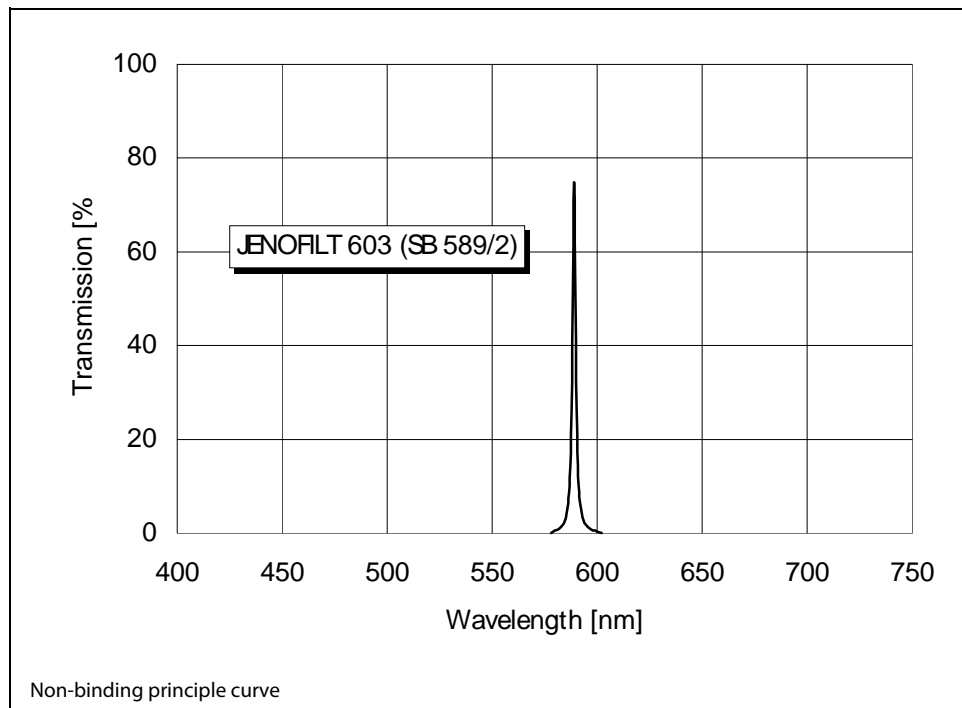


# JENOFILT 603

## Narrow Bandpass Filter



Bandpass Filter  
for VIS/NIR

### Optical properties:

Type	SB 486/2	SB 551/2	SB 589/2	SB 656/2
CWL [nm]	486,1±2	551,0±2	589,3±2	656,3±2
T <sub>max</sub> [%]	70 ± 10	70 ± 10	70 ± 10	70 ± 10
HWB [nm]	2,0±0,5	2,0±0,5	1,9±0,5	2,1±0,5
N <sub>p</sub>	1,5	2,0	2,1	2,1
Blocking (200 - 750)	<0,05%	<0,05%	<0,05%	<0,05%

For incidence angles  $i < 15^\circ$  the shift to shorter wavelength can be calculated by the following formula:

$$\Delta\lambda = (CWL/2) \times (\sin i / N_e)^2$$

### Applications:

These filters are useful to generate narrow spektral lines for measurement applications e.g. for polarizing and interference microscopes, measuring and analytical instruments.

By the formula for the wavelength shift the possibility is given to adjust the center wavelength.

### Durability:

Humidity: MIL-STD-810C , Method 507 / 5 cycles

Temperature change: - 30°C to + 70°C

### Substrate material:

The filters consist of cemented glass plates. They can be delivered in black anodized mounts.

Dimensions with mount:  
Ø 32,0 -0,1 mm , (27 mm clear aperture) ,

Thickness : 7,0 -0,1 mm  
Other dimensions are possible on request.

### Issue:

January 96

### Doc-No.:

fil603-99-14-0797-en

### Ordering code:

JENOFILT 603 (type)