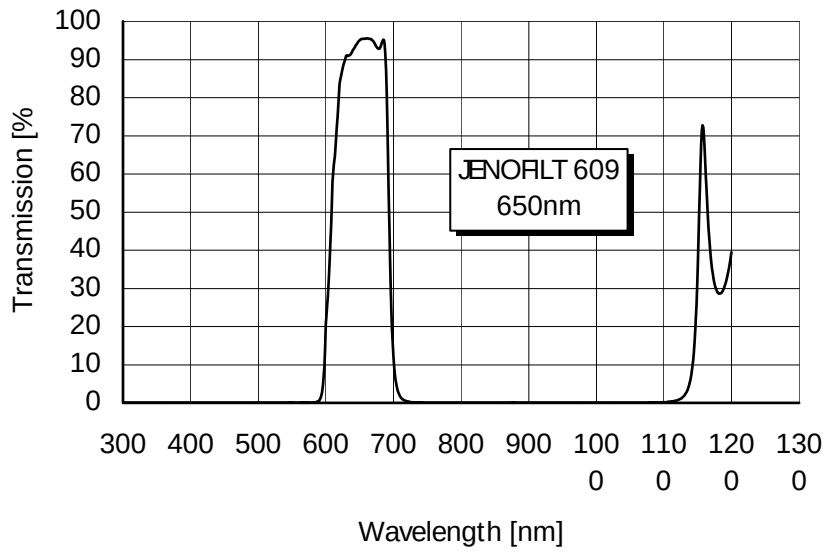
Data sheet

JENOFILT 609

Bandpass Filters for Laser Diodes
635 nm, 650 nm, and 670 nm



Non-binding principle curve

Bandpass Filter
for VIS/NIR

Optical properties:

CWL:	635 nm	650 nm	670 nm
Cut - on (± 6 nm):	590 nm	610 nm	630 nm
Cut - off (± 8 nm):	680 nm	690 nm	710 nm
Transmission:	> 85 %	> 85 %	> 85 %
HBW:	≈90 nm	≈80 nm	≈80 nm
Blocking range:	UV to 1100 nm	1120 nm	1150 nm

The transmission in the blocking range is $T_{avg} < 0.1\%$.
Other halfbandwidths are possible on request.

Applications:

This filter suppresses undesired stray light or it improves the signal - to - noise ratio in optical arrangements, which use luminescence diodes or laser diodes in the red spectral range as a light source.

Durability:

Adhesion: MIL-C-675C / section 4.5.12

Humidity: MIL-C-675C / section 4.5.8

Abrasion resistance: MIL-C-675C / section 4.5.11

Temperature: MIL-M13508 / section 4.4.4

Substrate material:

The substrate material is color glass. Typical are rectangular shaped pieces or diameters from 6 mm to 50 mm. The typical thickness is 2 mm.

Special features:

The filters are made without the use of optical cement. Therefore they can be used in harsh environmental conditions.

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