**JENOFILT 609**

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

**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
- **Abrasions 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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**Bandpass Filter for VIS/NIR**

![Non-binding principle curve](image)