**JENOFILT 711**

Bandpass Filter on Silicon Substrates

![Non-binding principle curve](image)

**Optical properties:**
- Centre wavelength \( \lambda_{\text{CWL}} \): \( 3 \, \mu\text{m} \leq \lambda_{\text{CWL}} \leq 5.5 \, \mu\text{m} \)
- \( \Delta \lambda_{\text{CWL}} \): \( \Delta \lambda_{\text{CWL}} \leq \pm 1 \% \) of \( \lambda_{\text{CWL}} \)
- Half bandwidth (HBW): 4 % or 2 % of \( \lambda_{\text{CWL}} \)
- HBW tolerance: \( \pm 20 \% \) HBW
- Peak transmission: \( T > 70 \% \)
- Transmission out of band: \( T_{\text{avg}} < 0.1 \% \) from UV to 11 \( \mu\text{m} \)

**Applications:**
This filter enables to reach optimal optical properties and simultaneously a high economic efficiency in gas analysis equipment and pollution control.

Two half widths are eligible and permit to adjust this filter type to the demands of the optical system regarding to the spectral selectivity and the sensitivity.

**Durability:**
- Adhesion: MIL-F-48616 / section 4.6.8.1
- Humidity: MIL-F-48616 / section 4.6.8.2
- Abrasion resistance: MIL-F-48616 / section 4.6.8.3

**Substrate material:**
- Standard substrate is 4” silicon wafer, thickness 0.5 mm.
- On request wafers can be cut into rectangular pieces > 2 mm.

**Special features:**
- Other specifications on request.

**Issue:**
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JENOFILT 711 (CWL/HBW)