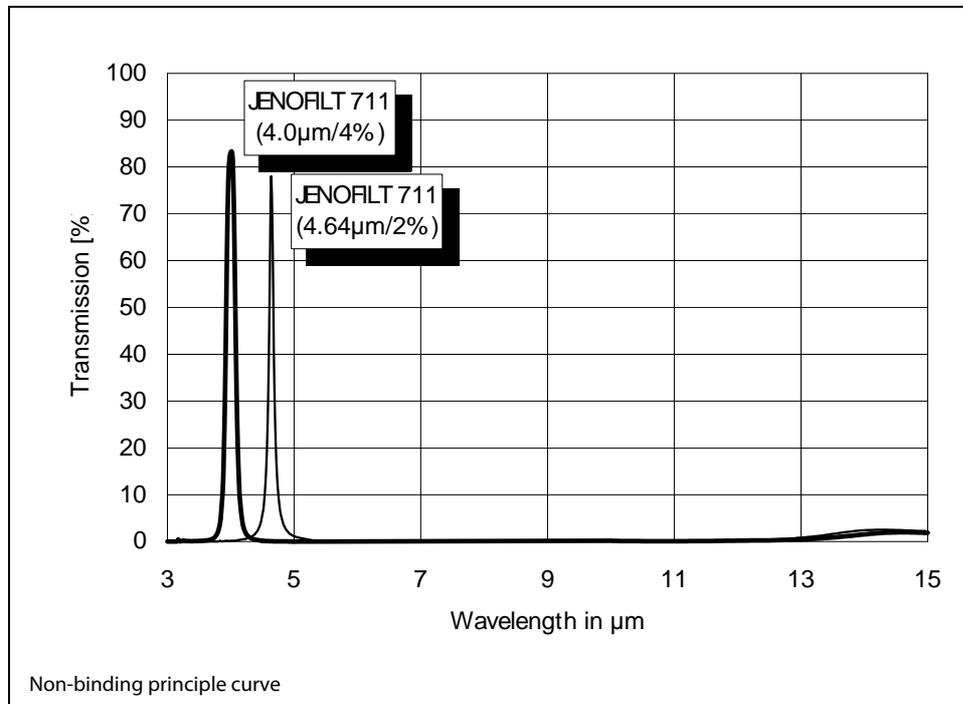


# JENOFILT 711

## Bandpass Filter on Silicon Substrates



## Bandpass Filter for IR

### Optical properties:

Centre wavelength  $\lambda_0$  (CWL):  $3 \mu\text{m} \leq \lambda_0 \leq 5.5 \mu\text{m}$

CWL tolerance  $\Delta\lambda_0$ :  $\Delta\lambda_0 \leq \pm 1 \% (\lambda_0)$

Half bandwidth (HBW): 4 % or 2 % of  $\lambda_0$

HBW tolerance:  $\pm 20 \% \text{ HBW}$

Peak transmission:  $T > 70 \%$

Transmission out of band:  $T_{\text{ava}} < 0.1\%$   
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  $> 2 \text{ mm}$ .

### Special features:

Other specifications on request.

### Issue:

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### Ordering code:

JENOFILT 711 (CWL/HBW)