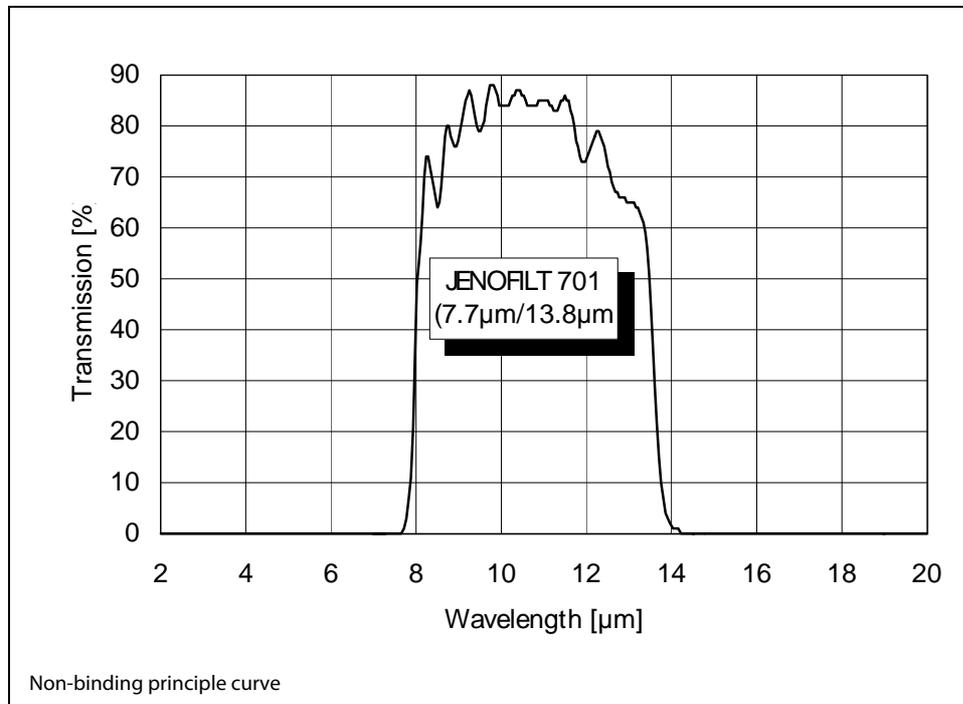


JENOFILT 701

Broad Band Filter 8 - 14 μm



Bandpass Filter for IR

Optical properties:

Transmission: $T_{\text{ava}} \geq 73 \%$

Blocking: from UV to 20 μm $T_{\text{ava}} \leq 0,1\%$

Tolerance $\lambda_{\text{cut on}}$, $\lambda_{\text{cut off}}$: $\pm 2 \%$

Bandwidth admissible: 1 μm to 5 μm

$\lambda_{\text{cut on}}$ and $\lambda_{\text{cut off}}$ are defined by a transmission of 5 %

Applications:

This filter is intended to select spectral ranges for thermographic and pyrometric optical systems. It can also be used as an additional blocking in spectral analysing instruments.

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:

Silicon or germanium wafers with diameters up to 4". It is possible to cut the filter pane into smaller pieces after coating.

Special features:

The wavelengths $\lambda_{\text{cut on}}$ and $\lambda_{\text{cut off}}$ can be selected in the following range:

$5 \mu\text{m} \leq \lambda_{\text{cut on}} \leq 10 \mu\text{m}$ and
 $1 \mu\text{m} \leq \lambda_{\text{cut off}} - \lambda_{\text{cut on}} \leq 5 \mu\text{m}$

Other specifications on request.

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JENOFILT 701 ($\lambda_{\text{cut on}}$, $\lambda_{\text{cut off}}$)