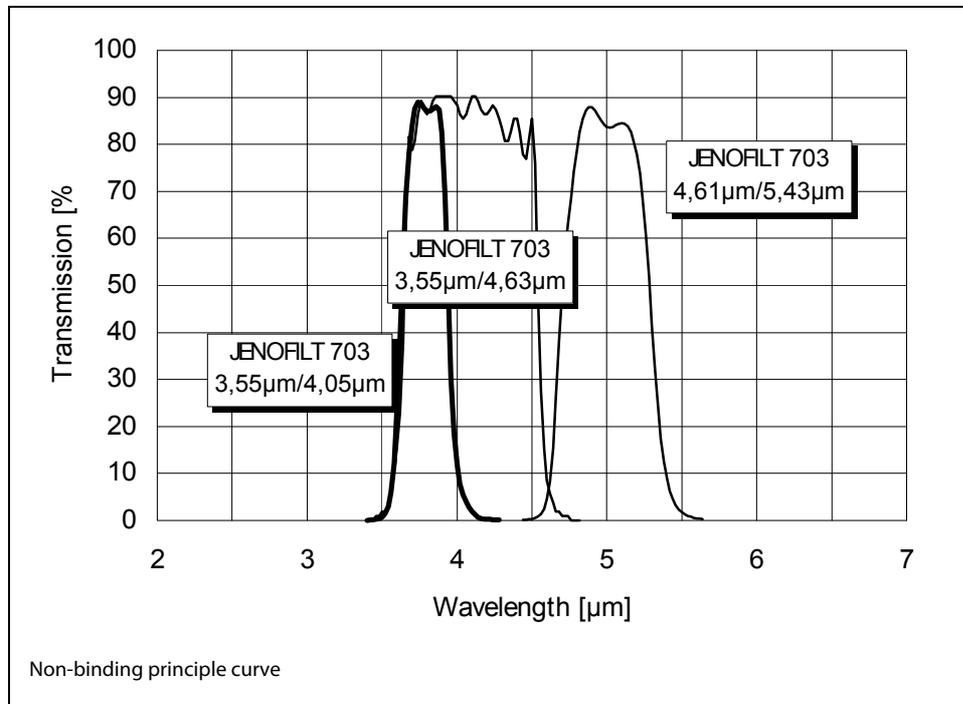


JENOFILT 703

Bandpass Filter on Sapphire 3 - 5 μm



Bandpass Filter for IR

Optical properties:

Transmission: $T_{\text{ava}} \geq 75\%$

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: 0,3 μm to 2 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

Moderate abrasion: MIL-F-48616 / section 4.8.8.3

Substrate material:

Sapphire wafers with a diameter of 1 inch (25.4 mm), other dimensions on request.

Special features:

The wavelength $\lambda_{\text{cut on}}$ can be selected in the fringe $3\ \mu\text{m} \leq \lambda_{\text{cut on}} \leq 5\ \mu\text{m}$.

Other specifications on request.

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