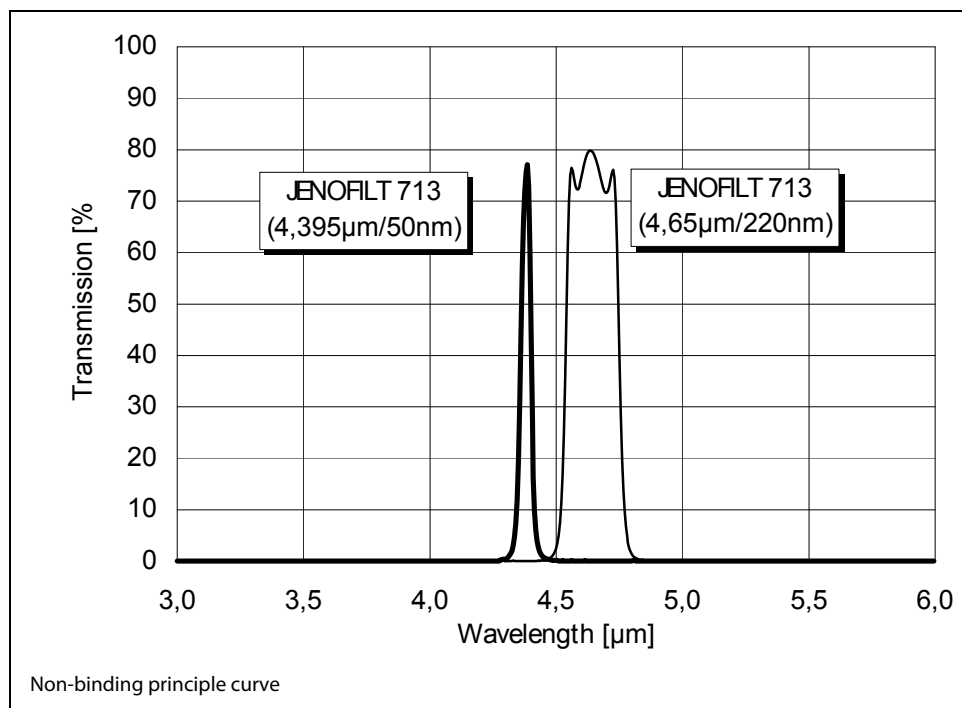


JENOFILT 713

CO - CO₂ Gas Analysis Filters



Bandpass Filter for IR

Optical properties:

Centre wavelength λ_0 (CWL):

CO₂-Filter: $\lambda_0 = (4,395 \pm 0,025) \mu\text{m}$

CO -Filter: $\lambda_0 = (4,650 \pm 0,025) \mu\text{m}$

Half bandwidth (HBW):

CO₂-Filter: HBW = $(50 \pm 5) \text{ nm}$

CO -Filter: HBW = $(220 \pm 20) \text{ nm}$

Peak transmission: $T > 70 \%$

Transmission out of band: $T_{\text{ava}} < 0.1\%$
from UV to 12 μm

Applications:

These filters have optimised optical performance for a high reliability and efficiency in CO - CO₂ gas analysis equipment.

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 > 1 mm.

Special features:

Other specifications on request.

Issue:

January 1998

Doc-No.:

fil713-99-14-0198-en

Ordering code:

JENOFILT 713 (CWL/HBW)