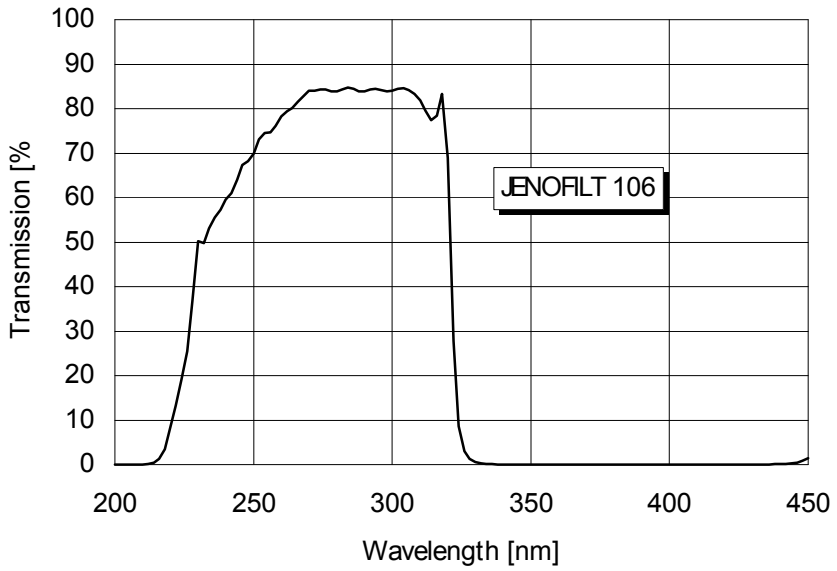
Data sheet

JENOFILT 106

Cut-off UV Filter



Non-binding principle curve

Edge Filter for UV

Optical properties:

Transmission range: T_{ave}(240nm - 310nm) > 80%

Cut-off wavelength: T(50%) = 320nm ± 3nm

Blocking range:

T(335nm - 350nm) < 1%

T(350nm - 410nm) < 0,2%

T(410nm - 440nm) < 1%

Angle of incidence i = 0°

Other cut-off wavelengths are possible on request.

Applications:

These filter type can be used e.g.to separate the several UV regions (UV-A,B,C)

The blocking region is especially adjusted to the sensitivity of SiC-detectors.

In combination with a suitable color glass (e.g. UG11) the blocking can be extended into the visible range

Durability:

Adhesion: MIL-C-48497A / section 4.5.3.1

Humidity: MIL-C-48497A / section 4.5.3.2

Abrasion resistance: MIL-C-48497A / section 4.5.3.3

Temperature change: MIL-C-48497A / section 4.5.4.1

Solvent resistance: MIL-C-48497A / section 4.5.4.2

Substrate material:

Quartz glass is used as a substrate material. Both sides of the substrates are coated.

Typical diameters are 5 to 50 mm with a thickness of about 0,5 - 3 mm.

Special features:

The cut-off wavelength shifts to shorter wavelengths with an increasing angle of incidence.

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