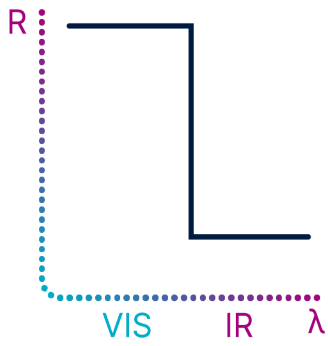
Infrared-Filter (IR-Filter)

Infrared filters (IR filters) are filters with very different properties. They can be filters that transmit infrared (IR transmitters) and absorb visible light. Infrared blocking filters (IR blocking filters) are used, for example, to protect assemblies from heat or to block IR radiation (long wave-lengths above 780 nm). So-called daylight filters, which absorb visible light while transmitting IR radiation, are also common.



Applications

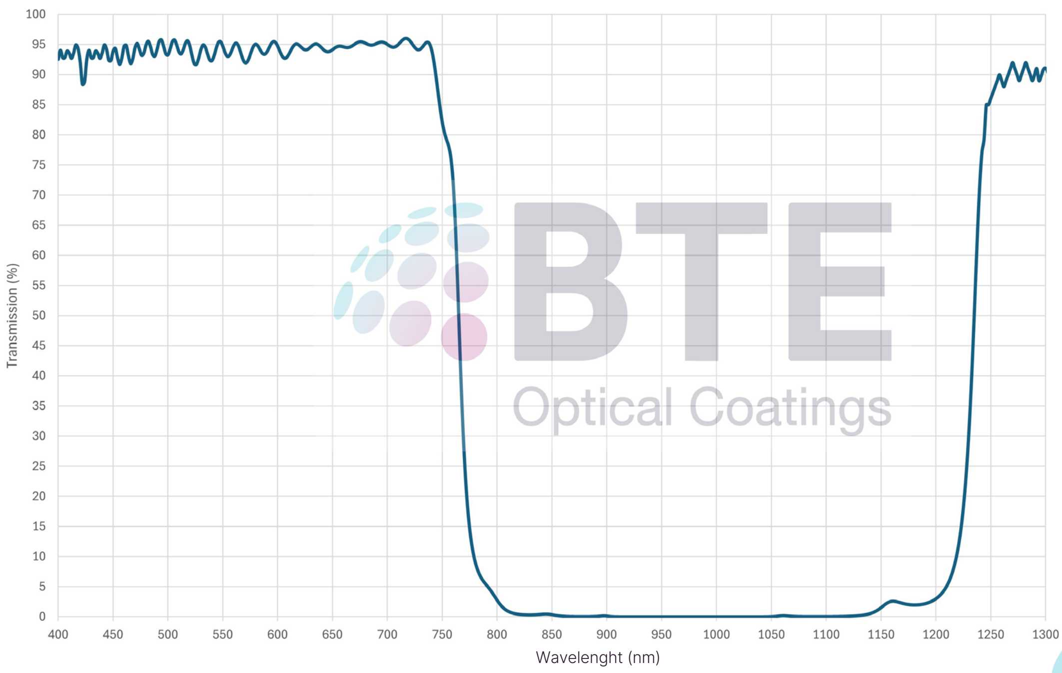
Infrared drying, thermal protection, display protection, anti-glare protection, protective glass, surgical lights, image sensors of digital/video cameras, IR laser mirrors

Substrates

Depending on the application, glass (borosilicate glass), thermally toughened glass (ESG), glass ceramic, quartz and metals

Principal Curves (exemplary)

IR cut filter also calles IR blocking filter or hot mirror) IR-2; AOI = 0°



Type designation (examples)

IR cut filter, high transmission (T) in VIS, blocking in the NIR
Daylight filter
Cold mirror
IR transmitter, reflection in VIS, transmission in NIR
IR antireflection, AR-IR, R ≤ 0.2 % at 1064 nm

Other specifications on customer request.

Consistency (for example)

Abrasion: DIN ISO 9211-1-04
Adhjesive strength: DIN ISO 9211-2-03
Moist heat: DIN ISO 9211-5-03
Temperature: over 200°C

Further in request.

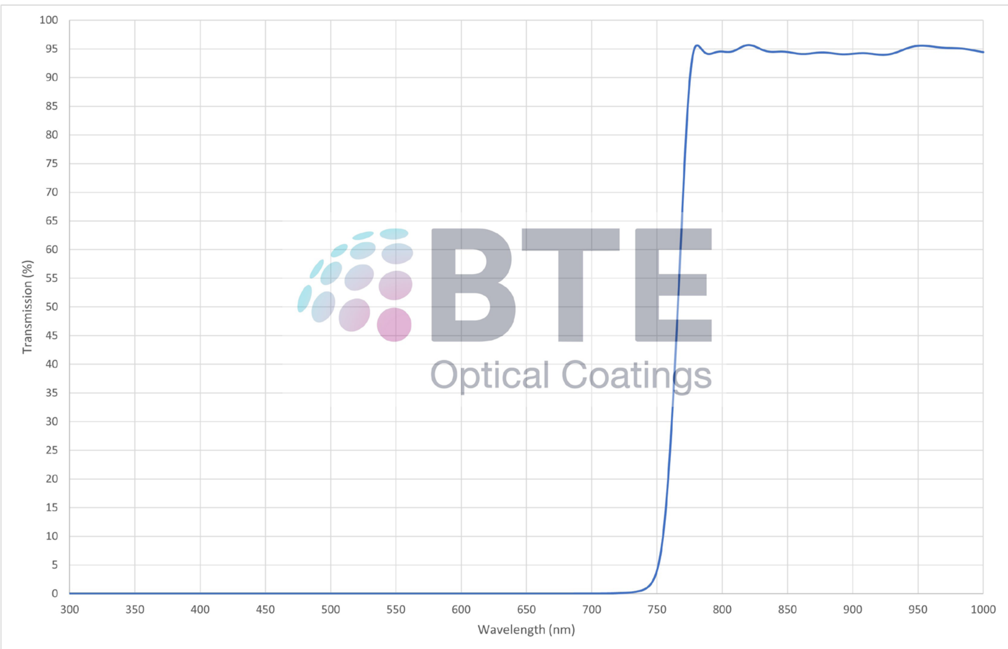
Do you need other specifications?

Don‘t hesitate to contact us:

sales@bte-born.de

Principal Curves (exemplary)

Daylight-Blocking-Filter / IR-Transmitter



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