

Bandpass Filters

Optical bandpass filters are used to transmit a selected wavelength while attenuating (blocking) unwanted shorter and longer wavelengths.

We offer custom bandpass filters in a range of types to suit individual customer's specifications and applications.

Bandpass filters are available in interference bandpass, polyester, Wratten 2, dichroic and colour glass types, designed for wavelengths down to 175nm up to the NIR. Filters may be supplied un-mounted or mounted in either our range of stock filter mounts, or in custom mounts designed to fit your application. For a fast turnaround, our stock filters may be edged and reshaped to custom sizes.



Custom capabilities

Types available

Interference, Dichroic, Polyester, Wratten 2, Colour glass

Dimensions

Interference type 12.5mm to 100mm diameter
Dichroic type 3mm to 400mm diameter
Wratten 2/Polyester type 100mm x 300mm
Colour glass type 3mm to 100mm diameter

Wavelengths* 175nm to 3200nm+

Bandwidth* 3nm to 100nm+

Peak transmission* > 85%

Surface quality* < 10:5

Parallelism* < 3 arcseconds

Notes: *Specifications dependant on filter type. For more information on individual filter specifications please speak to our technical sales team.

All products are tested in our state of the art metrology laboratory by our highly trained technicians to ensure compliance with the specification. Parts are then sent to our QA team to be cleaned and checked for surface imperfections before dispatch.

Please contact our technical sales team on (+44) 1622 849 444 to discuss your custom bandpass filter requirements and discover how Knight Optical can help improve your supply chain experience. Alternatively, email us your requirements by clicking on the links below.