



Discover how we can improve your
instrumentation and supply chain
experience today!

KO | BRINGING QUALITY INTO FOCUS

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Infra-red interference band pass filters

Knight Optical is able to supply interference band-pass filters for use in the IR (1to 40 μ m) wavebands. The range of custom optical filters includes:

Interference bandpass filters comprise; narrow pass, standard pass, wide pass, and Filter sets. These filters are made using IR substrates such as silicon, sapphire, germanium etc with thin films of material that have differing refractive indices and thickness. The filters are usually used on-axis as a difference in angle from zero will increase the path length of the rays through the filter. This has the effect of moving the pass band toward longer wavelengths. The filters are used to isolate, for example, emission lines from a source or fluorescent from background. Laser lines can be isolated to maximize the signal relative to noise ratio.

Knight Optical supply high quality IR Band Pass Filters made to your exact custom specification. Every component is individually tested by our highly skilled technicians in our state of art metrology lab to ensure all components meet our high quality standards.

Contact our multilingual technical sales team and discover how Knight Optical's high quality IR Band Pass Filters and service can improve your instrumentation and supply chain experience.

Knight Optical are an ISO 9001 UKAS certified company. All our Infra Red Filters are fully inspected on their quality in our state-of-the-art Metrology laboratory, This allows us to work to the highest [QA standards](#) and meet the tolerance specifications on these **precision components.**

[Contact our technical sales team](#) to discover how Knight Optical's high quality polymer optics and superior service can improve your instrumentation and supply chain experience.

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- View our [QA and metrology information](#)
- Watch our [Corporate Video](#)