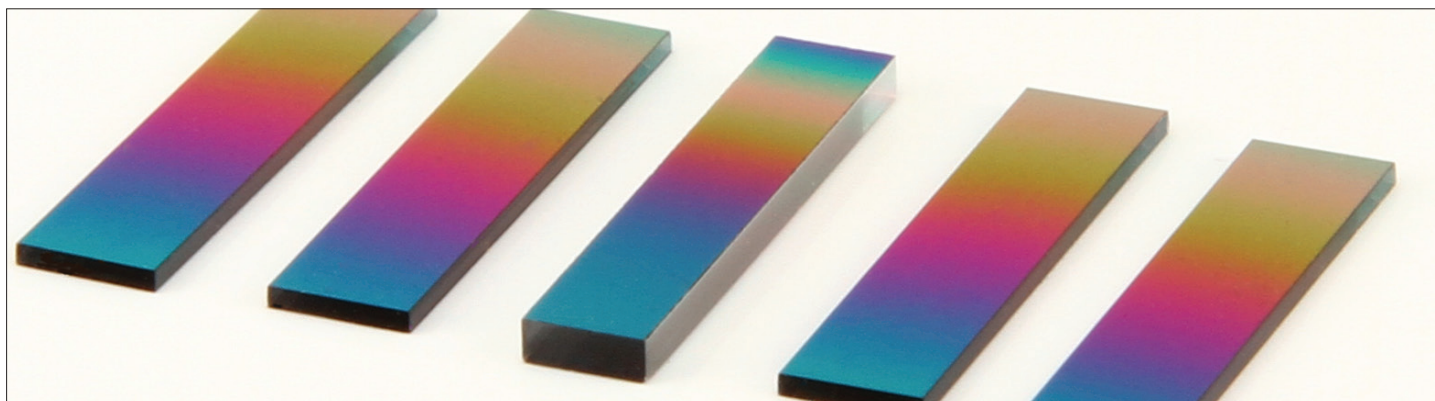
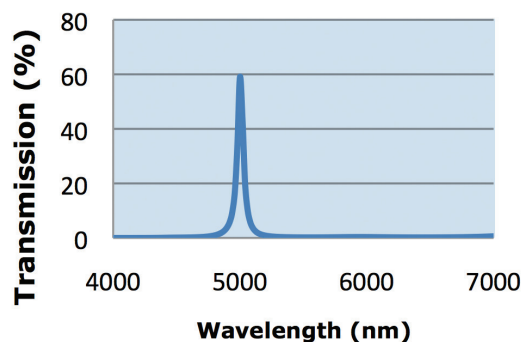
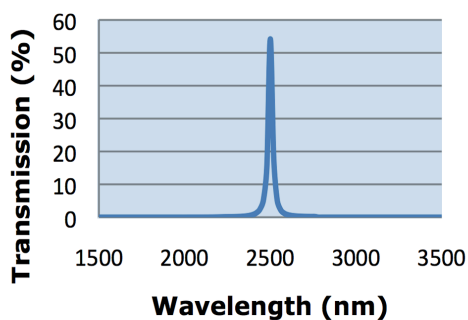
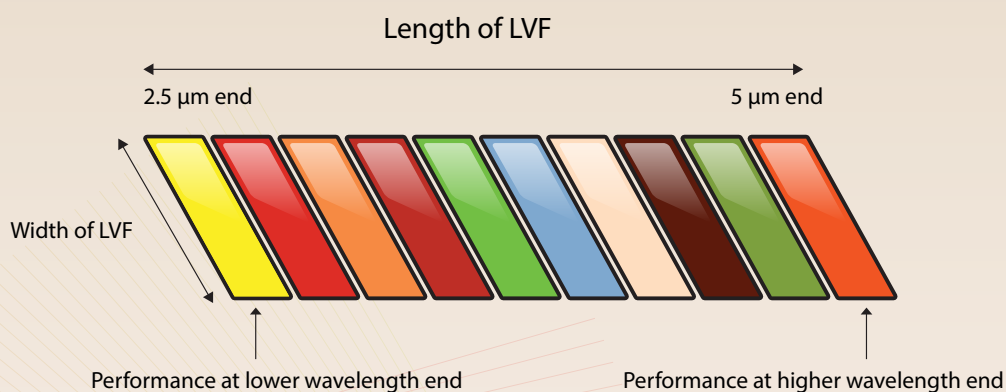


Infra Red Linear Variable Filters



A Linear Variable Filter (LVF) is one where the performance profile shifts from one end of the filter to the other, this is illustrated below. The combination of an LVF and suitable detector can replace a large number of components in a scientific analysis instrument thus saving vast amounts in space, cost, weight and time.



Infra Red Linear Variable Filters (Cont)

Vortex manufactures two stock filters for use in the infrared, one covering a range from 1.2 to 2.5 μm , a further one covers the range from 2.5 to 5 μm . We have the capability to manufacture for a wide range of detector windows and bands within this range to suit your needs and welcome the opportunity to discuss specific applications in confidence.

Properties of Vortex LVF's

- Stock filters of 15 mm long x 3 mm wide, the 1.2 to 2.5 μm is 1mm thick, the 2.5 to 5 μm version is 0.5 mm thick (tolerance= \pm 0.1 mm).
- Durable hard coatings passing Humidity, salt solution, severe abrasion, adhesion as per MIL C 48497.
- T peak, typically $>60\%$ across the band
- Surface Quality better than 60-40 scratch dig.
- Blocking UV to 8 microns, if extended blocking is required we stock a supplementary band-pass filter to enable blocking at OD3 to extend from UV to 50 μm .

Applications

LVF's can be used in hand held spectrophotometers, multi gas detectors and any other application where a range of IR band-pass filters can be replaced with a single one.

Pricing

1.2 to 2.5 μm type

<5	off	@ £346.50 GB Pounds
10	off	@ £313.50 GB Pounds
50	off	@ £297.00 GB Pounds
100	off	@ £231.50 GB Pounds
500	off	@ £203.50 GB Pounds
1000	off	@ £165.00 GB Pounds

2.5 to 5 μm type

<5	off	@ £312.00 GB Pounds
10	off	@ £282.50 GB Pounds
50	off	@ £267.00 GB Pounds
50	off	@ £208.00 GB Pounds
500	off	@ £183.00 GB Pounds
1000	off	@ £149.00 GB Pounds

OEM/high quantity pricing available upon request, please contact us direct by telephone **+44 1455 613029** or e mail Ian Reilly on **ian@vortexopticalcoatings.co.uk**.

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