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Linear Variable Filter for 1.3-2.6 μm (2%)

Part Number: LVF-1.3-2.6-3.5-15-0.5-2%
Diameter Sample: 15 mm x 3.5 mm x 0.5mm thick
Price: £550.00 (Free Shipping)

- Stock Linear Variable Filter for 1.3-2.6 μm (2%) "on the shelf" for next day shipping, 15 mm x 3.5 mm x 0.5mm thick
- This linear variable filter (LVF) has a narrow band profile (FWHM=2% x Peak Wavelength).
- The peak wavelength changes continuously from one side to the other across the range, see below.
- All of our filters exhibit high angular tolerance, extremely low change with temperature and very high resistance to thermal shock.

Applications

These LVF s can be used for compact mini spectrometers, gas analysis, plastics identification, a range of filters can be replaced with one linear

Different sizes of this LVF are also possible to suit the user's detector window dimensions, contact us for further details.

Optical Specification

Transmission	50-75% across the band
Blocking Range	Basic range 1.2-2.6 μm , OD>2.5 ave. outside the transmission band. (to extend blocking range a suitable bandpass filter may be added, for custom LVF s extra blocking can be added to the LVF itself)
Gradient of Change	85 nm/mm
Angle of incidence	0°
Substrate	15 mm x 3.5 mm x 0.5mm thick
Surface Quality	Less than 60-40 Scratch-Dig

Environmental Specification

Adhesion	MIL-C-48497A	Para 4.5.3.1
Humidity	MIL-C-48497A	Para 4.5.3.2
Mild Abrasion	MIL-C-48497A	Para 4.5.3.3
Severe Abrasion	MIL-C-48497A	Para 4.5.5.1
Cleanability	MIL-C-48497A	Para 4.5.4.2
Water Solubility	MIL-C-48497A	Para 4.5.5.3

Do you need a custom quote?

For large volumes and specific enquiries please get in touch!

Spectral Performance

3 ranges covered, 0.9-1.7 μm , 1.3-2.5 μm and 2.5-5.0 μm .
 Width/FWHM =2% x Centre Wavelength.

Blocking greater than OD 2.5 average outside passband.

