

Filter Sets

- **Short Pass/Long Pass Sets** permit waveband separation
- **Narrowband Sets** isolate spectral regions precisely
- **Attenuation Sets** provide a range of intensity reduction



These convenient filter sets offer the advantage of spectral or intensity modification to suit the particular circumstances. Often it is necessary to change the characteristics of a beam of light and it is useful to have a selection of calibrated filters on hand for this purpose. Our filter sets are supplied in a convenient storage binder together with their actual spectrophotometer traces. This way you are able to select filters for use singly or in combination to modify the incident light to suit your purpose.

We offer 6 different filter sets. Short-pass and long-pass filters can be combined to restrict the spectral region of interest. Our sets cover the spectrum using 13 filters at 50nm intervals from 400 to 1000nm. Two narrow band interference filter sets permit the isolation of very narrow spectral regions. We offer a 40nm halfwidth set and a 10nm halfwidth set. In each case there are 13 filters covering the spectrum from 400 to 1000nm. Attenuation filter sets are provided for the visible spectrum and for the 1064nm YAG line. The visible range set is made from neutral density glass while the YAG set is made from a range of different glasses calibrated to provide the exact required attenuation at the YAG wavelength. Nine filters cover transmittance values in 10% intervals from 10% to 90%.

The filters supplied in the narrowband and attenuation sets are all mounted in inch diameter (25mm) metal rings for convenience of mounting and handling. They are marked on the edges with the appropriate wavelength or transmittance.

Specifications & Tolerances

Mount diameter: 25.4mm+0-0.6mm	Surface quality: 80-50
Mount thickness: Ranging from 3.5 to 8.5mm	Wavelength increments: 50nm
Clear aperture: 21mm	Transmittance increments: 10%

For other specifications see the individual filter sections which follow.

Filter Sets

Type	Wavelengths (nm)	Bandwidth FWHM (nm)	Transmittance (%)	Price	PART NUMBER
Short pass (13 Filters)	400-1000	-	-		079-6660
Long Pass (13 Filters)	400-1000	-	-		079-6670
Narrowband-10 (13 Filters)	400-1000	10.0	40		079-6680
Narrowband-40 (13 Filters)	400-1000	40.0	45		079-6690
Attenuation-vis (9 Filters)	400-700	-	10-90		079-6610
Attenuation-YAG (9 Filters)	1064	-	10-90		079-6620

We can make up alternate sets of filters to your special order so please call if you need a custom filter set.