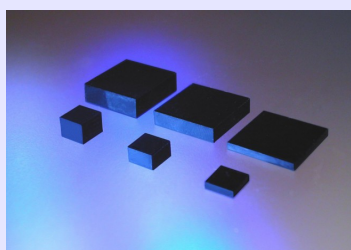
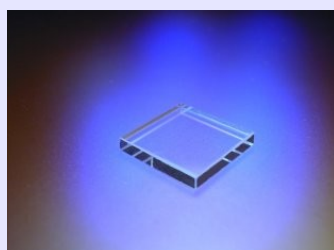


OPTICAL FILTERS

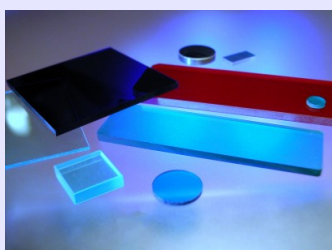
CTC FL SERIES



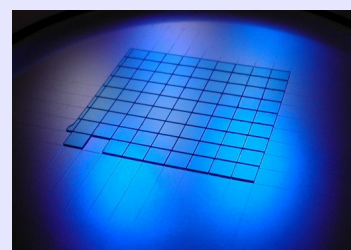
STANDARD RANGE



OPTICAL WINDOWS



CUSTOM



COATINGS

We offer a standard range of Schott[®] optical filters already sized for economic use
 2 different sizes are available in 3 thicknesses
 We also offer glass windows and custom size filters and stacks to your specifications
 Call us with your requirements

type	package	details	Type index	Chromatechnic part no	link
1	10 x 10 x 1mm	All Schott [®] range		CTC FL 11 ...	PDE
2	10 x 10 x 2mm	All Schott [®] range		CTC FL 12 ...	PDE
3	10 x 10 x 3mm	All Schott [®] range		CTC FL 13 ...	PDE
4	4 x 4 x 1mm	All Schott [®] range		CTC FL 41 ...	PDE
5	4 x 4 x 2mm	All Schott [®] range		CTC FL 42 ...	PDE
6	4 x 4 x 3mm	All Schott [®] range		CTC FL 43 ...	PDE

FILTER TYPES AVAILABLE*

BG-3	BG-4	BG-7	BG-12	BG-18	BG-20	BG-23	BG-24A	BG-25	BG-26	BG-28	BG-34	BG-36	BG-38	BG-39	BG-40	BG-42
VG-6	VG-9	VG-14														
UG-1	UG-5	UG-11														
GG-385	GG-395	GG-400	GG-420	GG-435	GG-455	GG-475	GG-495									
KG-1	KG-2	KG-4	KG-4	KG-5												
FG-3	FG-13	WG-225	WG-280	WG-295	WG-305	WG-320										
OG-515	OG-530	OG-550	OG-570	OG-590												
RG-610	RG-630	RG-645	RG-665	RG-695	RG-715	RG-780	RG-830	RG-850	RG-1000	RG-9						
NG-1	NG-3	NG-4	NG-5	NG-9	NG-10	NG-11	NG-12									

Call us for filter data and assistance on combined filter and filter /detector response curves

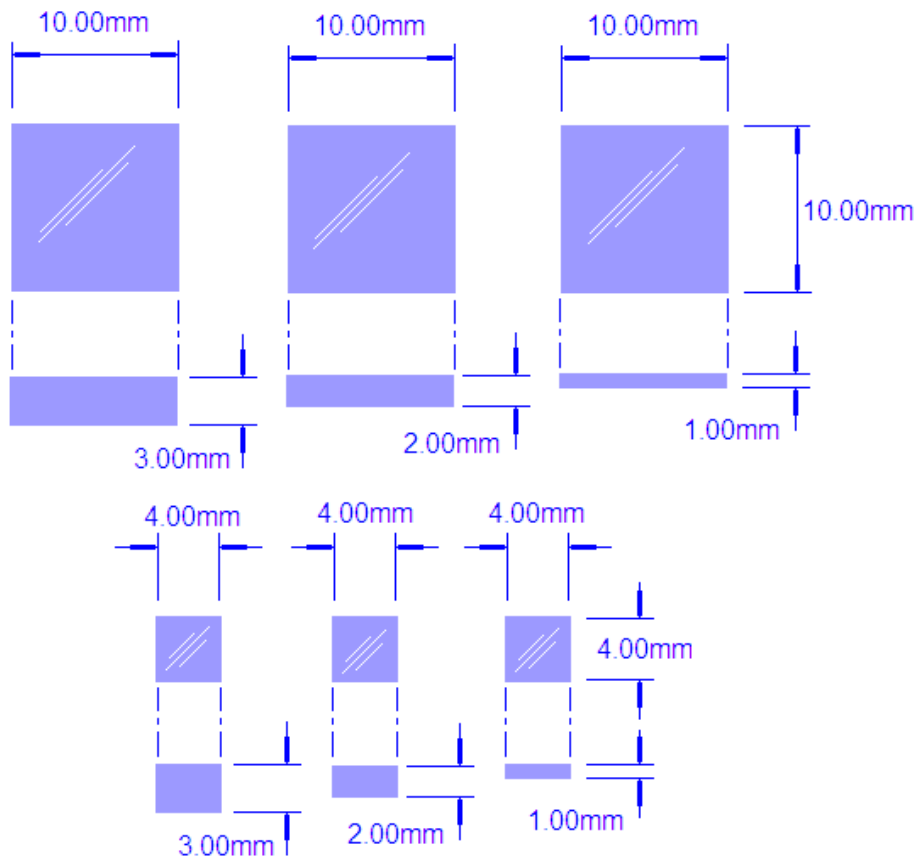
* SOME FILTER MATERIALS MAY BE LIMITED IN SUPPLY, HOWEVER NEAR ALTERNATIVES MAY BE AVAILABLE

RoHS Status

Each filter type has its own RoHS status due to material variance – call us

Filter dimensional information

Not to scale



OPTO-KLIC FILTERS

Tolerance Length & Width +/- 0.1mm
 Tolerance Thickness +/- 0.1mm
 faces are polished, edges are ground

Please take care when handling glass and use appropriate equipment

How to build a part number for Chromatechnic filters

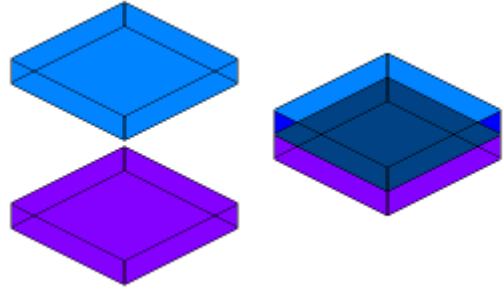
Chromatechnic filter 10mm x 10mm x 2mm Schott type UG11

CTC	FL	12	UG11
Chromatechnic	Filter series	Size code	Filter type

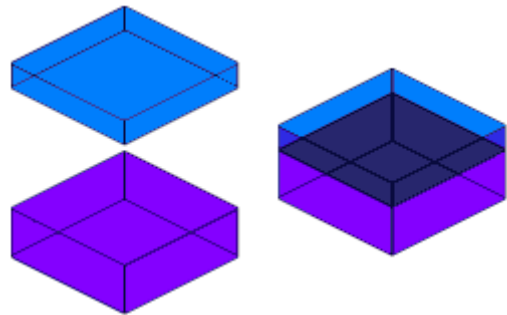
Filter stacks

Our filters can be stacked in numerous combinations to optimise transmission characteristics for emitters and sensors. You can even assemble 4 of the 4x4mm filters onto a single 10X10mm filter (or window) Chromatechnic also has solderable planar photodiodes similar in area so that it is relatively easy to product spectrally enhanced devices for your application.

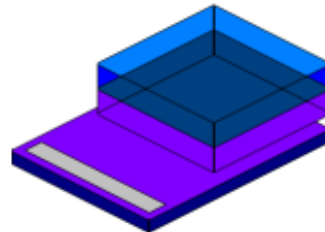
Filters of different types can be stacked to alter the over all transmission.



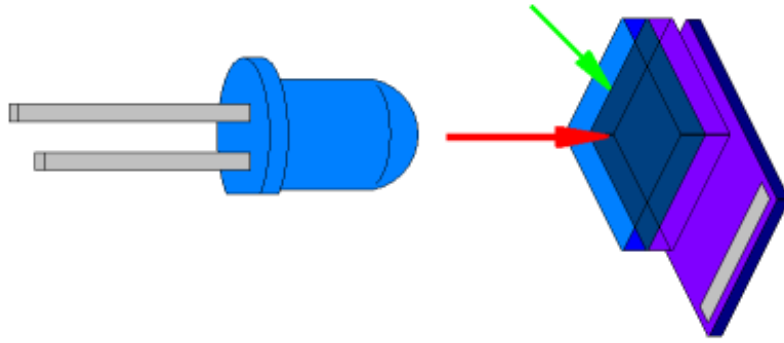
Filters of different thicknesses can be stacked



Filters can be combined with sensors and the resultant response detailed



Example application



In this application example the filters are used to improve the LED signal to ambient light 'noise', a single filter would improve this, however the combination of 2 filters enhances the discrimination between the wavelengths present whether they are the LED signal or the ambient light 'noise'. The filter stack passes the light from the LED while rejecting almost all the ambient light wavelengths. Of course the filter also passes the desired wavelength from the ambient source, therefore the output signal from the LED would need to be higher than this.

Drawings, specifications, datasheets

Data sheets for each product are available, click on the link, or call us for a copy.

Application information

All applications / descriptions / dimensions and parameters in this information pack are for guidance only, please refer to the latest issue of the datasheet for all design parameters, E&OE. It is the customer's responsibility to ensure the device meets the application, RoHS and any other legal requirements for use.