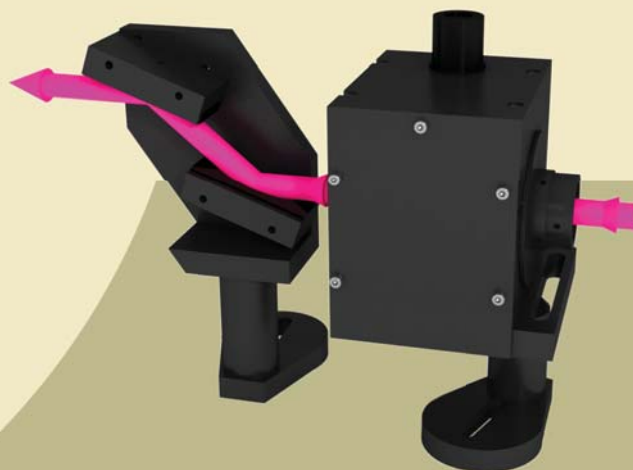


## Components



### OAFP Optical Attenuator

- Smooth power attenuation
- Simple adjustment and operation
- USB motorization option



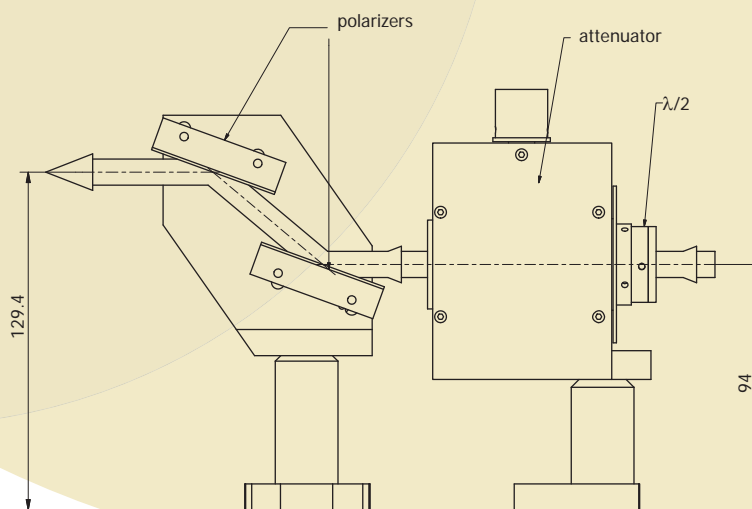
OAFP optical attenuator

#### Product overview

The optical attenuators (OAFP, OAGP) are designed to attenuate laser radiation with more than  $1:10^3$  ratio. The OAFP model comprises a thin zero-order half-wave phaseplate and two mirror polarizers that select the input pulse according to polarization. This model has been specially developed for pulsed femtosecond radiation as it introduces as little dispersion to the pulse as possible. For longer pulse durations we offer the OAGP model, which has better transmission ratio as a Glan prism is used to simplify the scheme.

The attenuator comes in motorized and manual modifications. Please enquire for more information.

#### Attenuator technical specifications



	OAFP	OAGP
Dynamic attenuation range	$>10^3$	$>10^3$
Wavelength	250-1500* nm	250-1500* nm
Bandwidth**, % to central wavelength	6-20 %	10-20 %
Required input pulse duration	$<100$ fs	$>100$ fs
Transmission	65 %	90 %
Clear aperture	$>10$ mm	$>10$ mm
Angular rotation of the half-wave phaseplate	$40^\circ$	$40^\circ$

\* - please specify with order

\*\* - depends on the central wavelength