

[OELAS-FPC-100]

Fixed Pulse Compressor and Stretcher

Features:

- Custom dispersion value
- Stable performance
- Compact
- Custom wavelength
- Free space or Fiber pigtailed

Applications:

- Pulse Compress or Pulse Stretcher
- Fiber laser
- Pulse shaping
- High-power laser
- Pulsed laser amplification

Product description:

OELAS-FPC-100 is a free space (or fiber-pigtailed), compact and dispersive device designed for femtosecond pulse shaping applications. This negative dispersive device will act as pulse compressor (or pulse stretcher) based on the application. It is built using transmission grating pairs and designed to fill a fixed dispersion values in the range where other technologies, like prism based or fiber Bragg gratings (FBG) based are not efficient or cost effective. It can handle higher power than FBG based pulse stretcher or compressor does.

Parameter	Unit	OELAS-FPC-100
Operating Wavelength	nm	600-2100
Bandwidth	nm	< 60
Dispersion range	ps/nm	0 - 2
Insertion loss	dB	< 1
Input and output	-	Free Space, SM, PM or Double Cladding
Connector	-	FC/APC, FC/PC, or custom
Operating temperature	°C	10-50

* Higher dispersions are available upon request.

Ordering info based on dispersion:

OELAS-FPC-100-WL-D:	WL	D
	1030,1060, 1550, 2000	Dispersion (ps/nm)
Example:	OELAS-FPC-100-1550-2	

Ordering info based on input and output pulse width:

OELAS-FPC-100-WL-Pin-Pout:	WL	Pin	Pout
	1030,1060, 1550, 2000	Input pulse width (ps) Output pulse width(ps)	
Example:	OELAS-FPC-100-1550-200-0.1		