



Free Space Ultrafast Pulse Stretcher Compressor

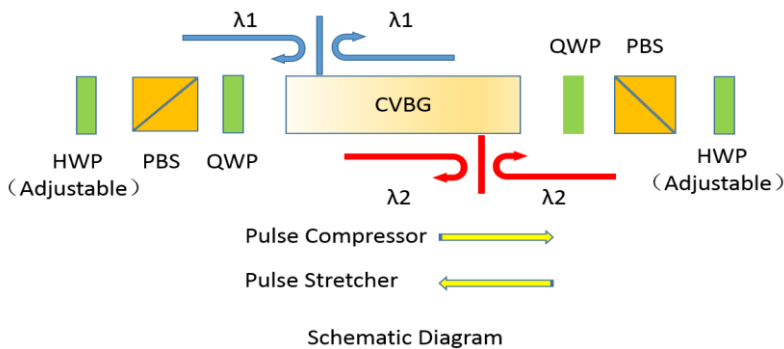
I&Optics' free space ultrafast pulse stretcher compressor can stretch a pulse to be amplified and compress a pulse to fs width. We can provide both polarization insensitive and sensitive stretcher compressors for various applications. It features easy-to-use, low loss, large operating pulse width and broad operating wavelength range.

Specification

Parameter	Test Condition	Unit	Value
I/O Port Configurations	-	-	2 x 2
Nominal Center Wavelength	-	nm	1064, 1550 , 2000 or Specify
Wavelength Range	-	nm	+/-5, +/-10 or Specify
Max. Insertion Loss	Input to Output, Proper SOP	dB	1.4
Nominal Stretching Time	Input to Output (FWHM)	ps	300
Max. Compressed Pulse Duration	Input to Output	fs	500
Max. Beam Quality	Input to Output , AOI 0°	-	1.4
Min. Extinction Ratio	-	dB	20
Nominal Clear Aperture	-	mm	Dia. 1, 2, 3 or Specify
Max. Power Handling Rate	-	W/cm ²	1x10 ⁷ @ 100ps or Specify
Operating Temperature	-	°C	-5 to 50
Storage Temperature	Non-condensing	°C	-40 to 85

Above specifications are for device without protecting windows. Windows are available upon request.

Package Dimensions



Depends on the clear aperture and application.

Detailed Informations And Dimensions Please Contact Us. Customized Design Is Available Upon Request.

Ordering Informations

FSPSC-①-②-③-④

① - Center Wavelength

06 - 1064nm

55 - 1550nm

20 - 2000nm

SS - Specify

② - Band Width

10 - +/-5nm

20 - +/-10nm

SS - Specify

④ - Mounting Type

3 - M3x5 in Base

S - Specify

③ - Clear Aperture

01 - Dia. 1.0mm

02 - Dia. 2.0mm

03 - Dia. 3.0mm

SS - Specify