

Fused Silica Fiber Collimators



Features

- 250nm to 3000nm
- Fused silica design
- Adjustable focus
- Low wavefront error
- No epoxy in the optical path

Applications

- Lidar
- Doppler Lidar
- Free Space Communications
- Laser writing

The FC5FS and FC10FS Fused Silica version have an air-spaced, multi-element design that gives a highly collimated, clean Gaussian beam with low wavefront error.

These fiber collimators are available with a broadband AR coating covering the UV region and 2 μ m region. The adjustable focus feature allows the collimators to be optimized for your wavelength and be locked down.

In the UV region, typical applications have been in spectroscopy where no fluorescence is generated by the optics. In the 1.8-3 μ m region, fiber lasers and Mid IR lasers can take advantage of these fiber collimators.

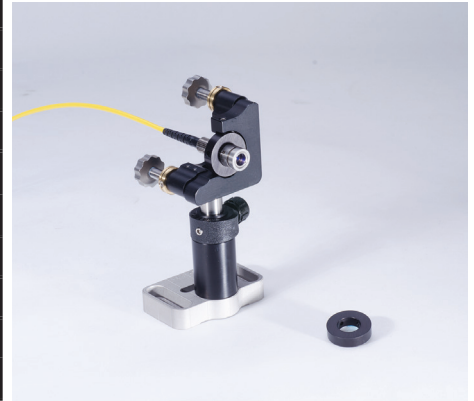


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Specifications

	FC5FS	FC10FS
Wavelength range:	250 - 3000 nm	250 - 3000 nm
Aperture size:	7 mm	10 mm
Beam size:	2.1 mm	5.5 mm
Beam divergence:	<0.5 mrad	<0.25 mrad
Wavefront error, 1/e ² points rms:	<1/10 wave	<1/10 wave
Receptacle:	FC or FC/APC	FC or FC/APC
Collimation:	Adjustable, 80 tpi	Adjustable, 80 tpi
Locking:	yes	yes
Housing:	Stainless steel	Stainless steel
Weight:	45 g (1.6 oz.)	85 g (3.0 oz.)



Ring adapters

Ordering Information

Model #	Description
FC5FS-UV-FC	FC5FS with 250 - 420 nm coating and FC receptacle
FC5FS-UV-APC	FC5FS with 250 - 420 nm coating and FC/APC receptacle
FC10FS-UV-FC	FC10FS with 250 - 420 nm coating and FC receptacle
FC10FS-UV-APC	FC10FS with 250 - 420 nm coating and FC/APC receptacle
Accessories	
FC5R-1.0	Ring adapter to mount FC5FS onto any 1 inch optical mounts
FC10R-1.0	Ring adapter to mount FC10FS onto any 1 inch optical mounts

Please call or email for other wavelength ranges.

Specifications subject to change without notice.



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