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Оптоволоконный приемник/коллектор



Features

- Collects all wavelengths from 400nm to 700nm
- 10mm aperture
- Adjustable focus
- Aperture accepts 1/2" optics
- SMA receptacle or pigtailed
- Also a very good collimator

The FR10 Fiber Receiver was designed specifically to collect fairly collimated light and inject it into a 100mm core fiber. It will collect multiple wavelengths from 400nm to 700nm at the same time and inject it into the core of a 100mm fiber with greater than 90% efficiency.

This fiber receiver works much better than using other fiber collimators backwards. And because the Fiber Receiver is adjustable you can optimize the light collection resulting in a larger signal. Most fiber collimators in the market use a simply lens and are fixed at one wavelength and so do a terrible job at collecting light to inject into a fiber.

The FR10 Fiber Receiver is housed in stainless steel for ruggedness with an SMA receptacle. Focus is preset at the factory for collimated light. For the times when light is not as collimated as one would like, the focus can be adjusted by the user for optimal signal strength.

This Fiber Receiver also works very well as a Fiber Collimator for a broadband source. A nice feature is the internal threads at the aperture so that a cell containing a filter, focusing lens or other optic can be screwed on easily.

Ordering Information

Model #	Description
FR10-VBB-SMA	Fiber receiver / collector for 400-700 nm
FR10-NIR-SMA	Fiber receiver for 750-1600 nm

Accessories

FC10R-1.0	Fiber Receiver ring adapter for mounting into 1 inch optical mounts
FL10-XXX	Cell for filters, focusing lenses, other optics
FM-C100UV3C-001	100um step index fiber with SMA connectors
FM-C200UV3C-001	200mm step index fiber with SMA connectors



Fiber Receiver Cells for filters and other optics