

Mid IR Fiber Collimators



Features

- Designed for 2.5-6 μm region
- Clean Gaussian beams
- Adjustable collimation / focus
- No epoxy in the optical path
- FC, FC/APC or pigtailed

Applications

- Gas detection
- Environmental sensing

The FC5-MIR Fiber Collimators operates between 2.5 to 6 micron range.

Output beam is user adjustable so you can optimize collimation for your operating wavelength and lock it down. Collimators have an FC or FC/APC receptacle as standard. Fine 80 pitch threaded barrel is used for fine focus/collimation adjustment.

Adapter rings are available to mount the collimators to common optical mounts.



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Mid IR Fiber Collimators

Specifications

| | |
|-----------------------------|-------------------------|
| Wavelength range: | 2.5 - 6 μm |
| Aperture size: | 4 mm |
| Beam size at $1/e^2$ points | ~ 2 mm |
| Beam divergence: | < 0.5 mrad |
| Receptacle: | FC, FC/APC or pigtailed |
| Collimation: | Adjustable 80 tpi |
| Locking: | yes |
| Housing material: | Stainless steel |
| Weight: | 45 g (1.6 oz.) |

Ordering Information

| Model # | Description |
|--------------|---|
| FC5-MIR1-FC | Fiber collimator for 2.5 - 6 μm region with FC receptacle. |
| FC5-MIR1-APC | Fiber collimator for 2.5 - 6 μm region with FC/APC receptacle. |
| FC5R-1.0 | Ring adapter to mount FC5 onto any 1 inch optical mount. |



FC5 plus ring mounted in a 1 inch optical mount.

Specifications subject to change without notice.



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