

# CeramOptec®

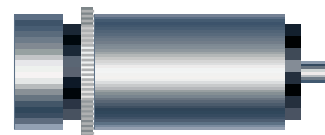
*Innovative Fiber Optics...Every Step of the Way™*



CeramOptec's collimators and focusing beam-shaping devices for optical systems are ideal for a wide range of wavelengths. Three convenient sizes accommodate nearly any size fiber: Small for fibers up to 400 microns, Medium for fibers up to 800 microns, and Large for larger fibers. Medium and Large collimators and focusing devices are compatible with each other.

Glass lenses (BK-7) are composed of high quality optical glass and are ideal for applications within 350 – 2000 nm. Ideal for stable temperature applications and most chemical environments, BK-7 lenses are a cost-effective alternative to silica lenses.

Ultraviolet grade fused silica lenses offer radiation resistance and exceptional performance for deep UV transmission down to 190 nm.



## Physical Data

### ■ Large Collimator

Length: 59.18 mm

Diameter: 31.75 mm

Material: anodized aluminum

### ■ Large Focusing Device

Length: 25.40 mm

Diameter: 31.75 mm

Material: anodized aluminum

### ■ Medium Collimator

Length: 40.64 mm

Diameter: 19.0 mm

Material: anodized aluminum

### ■ Medium Focusing Device

Length: 12.7 mm

Diameter: 19.0 mm

Material: anodized aluminum

### ■ Small Collimator

Length: 23.50 mm

Diameter: 6.35 mm

Material: stainless steel

### ■ Small Focusing Device

Length: 6.35 mm

Diameter: 6.35 mm

Material: stainless steel

## Specifications

### Small: 5 mm Lens Diameter; 4.0 mm Aperture

Part Number	Function	Lens	Focal Length (mm)
COL-SMA-BK7-5.0mm	Collimator	BK-7	N/A
FD-SMA-BK7-5.0mm-F5	Focusing Device	BK-7	5
FD-SMA-BK7-5.0mm-F10	Focusing Device	BK-7	10
FD-SMA-BK7-5.0mm-F15	Focusing Device	BK-7	15
COL-SMA-SIL-5.0mm	Collimator	Silica	N/A
FD-SMA-BK7-5.0mm-F10	Focusing Device	Silica	10
FD-SMA-BK7-5.0mm-F15	Focusing Device	Silica	15
FD-SMA-BK7-5.0mm-F20	Focusing Device	Silica	20

### Medium: 12.7 mm Lens Diameter; 10.0 mm Aperture

Part Number	Function	Lens	Focal Length (mm)
COL-SMA-BK7-12.7mm	Collimator	BK-7	N/A
FD-SMA-BK7-12.7mm-F20	Focusing Device	BK-7	20
FD-SMA-BK7-12.7mm-F25	Focusing Device	BK-7	25
FD-SMA-BK7-12.7mm-F40	Focusing Device	BK-7	40
COL-SMA-SIL-12.7mm	Collimator	Silica	N/A
FD-SMA-SIL-12.7mm-F20	Focusing Device	Silica	20
FD-SMA-SIL-12.7mm-F25	Focusing Device	Silica	25
FD-SMA-SIL-12.7mm-F40	Focusing Device	Silica	40

### Large: 25.4 mm Lens Diameter; 22.2 mm Aperture

Part Number	Function	Lens	Focal Length (mm)
COL-SMA-BK7-25.4mm	Collimator	BK-7	N/A
FD-SMA-BK7-25.4mm-F40	Focusing Device	BK-7	40
FD-SMA-BK7-25.4mm-F50	Focusing Device	BK-7	50
FD-SMA-BK7-25.4mm-F75	Focusing Device	BK-7	75
COL-SMA-SIL-25.4mm	Collimator	Silica	N/A
FD-SMA-SIL-25.4mm-F40	Focusing Device	Silica	40
FD-SMA-SIL-25.4mm-F50	Focusing Device	Silica	50
FD-SMA-SIL-25.4mm-F75	Focusing Device	Silica	75

#### Notes:

Collimators have SMA compatible connectors. ST or FC interfaces are available at additional cost. To order, please replace "SMA" of product code with "ST" or "FC". Example: FD-ST-SIL-25.4mm-F76

CeramOptec strives to ensure the accuracy of all information provided; however, we imply no warranties and disclaim any liability in connection with the use of this information.

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#### Innovative Fiber Optics...Every Step of the Way

CeramOptec was founded in 1986 and today is a global leader in the production of stock and custom silica / silica, plastic-clad silica, and hard polymer-clad silica optical fibers; fused capillary tubing; DPSS lasers; diode modules; and low loss bundles and assemblies for UV, VIS, and IR transmission, medical laser delivery, sensors, plasma fusion, and spectroscopy.

With several facilities worldwide, we are able to provide our customers with local, prompt, and reliable service and products. By maintaining complete control over the entire manufacturing process—from preform manufacturing to finished fiber product—we are able to provide the highest quality control, custom solutions, and competitive pricing to our customers.

Please visit <http://www.ceramoptec.com> for more information.

CeramOptec is a subsidiary of biolitec™ AG.

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