



**Family ID #2053**

## **TECHSPEC® High Performance Cylinder Lenses**



- Cylinder Lenses Feature Tight Tolerances on Tilt and Wedge
- Higher Image Quality than Standard Cylinder Lenses
- N-BK7 Substrate for Broadband Performance

Focuses light in only one dimension. Similar to a PCX lens in profile, but is a portion of a cylinder instead of a sphere. Cylinder lenses can transform a point of light into a line image. This is useful for making laser line generators. The lens magnifies in one dimension so it can be used for stretching images. Can be used for focusing light into a slit or converging light for a line scan detector. Due to a tighter tolerance on tilt and wedge, high performance imaging lenses will give straighter lines and better images than our standard cylinder lenses.

# LASER OPTICS

MADE BY EDMUND OPTICS®


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## Common Specifications

Dimensional Tolerance      +0.0/-0.2  
(mm):

Center Thickness            ±0.1  
Tolerance (mm):

Substrate:                    N-BK7

Focal Length Tolerance    ±3  
(%):

Surface Quality:            60-40

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Tilt Tolerance (mm): ±0.1 over H

Wedge Tolerance (arcmin): 15.00

	Dia. (mm) ↑↓	Dimensions (mm) ↑↓	EFL (mm) ↑↓	Coating ↑↓	Compare	Stock Number ↑↓	Price	Buy
	▼	▼	▼	▼				
▶	5.00	-	8.00	Uncoated		#45-981	\$89.50 VOLUME PRICING Request a Quote	IN STOCK 1
▶	5.00	-	8.00	MgF <sub>2</sub> (400-700nm)		#47-760	\$98.50 VOLUME PRICING Request a Quote	IN STOCK 1
▶	5.00	-	30.00	Uncoated		#45-982	\$89.50 VOLUME PRICING Request a Quote	IN STOCK 1
▶	5.00	-	30.00	MgF <sub>2</sub> (400-700nm)		#47-761	\$98.50 VOLUME PRICING Request a Quote	IN STOCK 1
▶	5.00	-	30.00	VIS-NIR (400-1000nm)		#47-955	\$105.00 VOLUME PRICING Request a Quote	IN STOCK 1
▶	5.00	-	30.00	VIS 0° (425-675nm)		#69-691	\$105.00 VOLUME PRICING Request a Quote	IN STOCK 1
▶	5.00	-	30.00	NIR I (600-1050nm)		#69-702	\$105.00 VOLUME PRICING Request a Quote	IN STOCK 1
▶	5.00	-	50.00	Uncoated		#45-983	\$89.50 VOLUME PRICING Request a Quote	IN STOCK 1
▶	5.00	-	50.00	MgF <sub>2</sub> (400-700nm)		#47-762	\$98.50 VOLUME PRICING Request a Quote	IN STOCK 1
▶	5.00	-	50.00	VIS-NIR (400-1000nm)		#47-956	\$105.00 VOLUME PRICING Request a Quote	IN STOCK 1
▶	5.00	-	50.00	VIS 0° (425-675nm)		#69-692	\$105.00 VOLUME PRICING Request a Quote	IN STOCK 1

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	5.00	-	50.00	NIR I (600-1050nm)		#69-703	\$105.00 VOLUME PRICING Request a Quote	IN STOCK 1
		5.0 x 10.0	8.00	Uncoated		#43-856	\$89.50 VOLUME PRICING Request a Quote	IN STOCK 1
		5.0 x 10.0	8.00	MgF <sub>2</sub> (400-700nm)		#47-763	\$98.50 VOLUME PRICING Request a Quote	IN STOCK 1
		5.0 x 10.0	20.00	Uncoated		#43-857	\$89.50 VOLUME PRICING Request a Quote	IN STOCK 1
		5.0 x 10.0	20.00	MgF <sub>2</sub> (400-700nm)		#47-764	\$98.50 VOLUME PRICING Request a Quote	IN STOCK 1
		5.0 x 10.0	20.00	VIS-NIR (400-1000nm)		#47-958	\$105.00 VOLUME PRICING Request a Quote	CONTACT US 1
		5.0 x 10.0	20.00	VIS 0° (425-675nm)		#69-693	\$105.00 VOLUME PRICING Request a Quote	IN STOCK 1
		5.0 x 10.0	20.00	NIR I (600-1050nm)		#69-704	\$105.00 VOLUME PRICING Request a Quote	IN STOCK 1
		5.0 x 10.0	30.00	Uncoated		#43-858	\$89.50 VOLUME PRICING Request a Quote	IN STOCK 1
		5.0 x 10.0	30.00	MgF <sub>2</sub> (400-700nm)		#47-765	\$98.50 VOLUME PRICING Request a Quote	IN STOCK 1
		5.0 x 10.0	30.00	VIS-NIR (400-1000nm)		#47-959	\$105.00 VOLUME PRICING Request a Quote	IN STOCK 1
		5.0 x 10.0	30.00	VIS 0° (425-675nm)		#69-694	\$105.00 VOLUME PRICING Request a Quote	IN STOCK 1
		5.0 x 10.0	30.00	NIR I (600-1050nm)		#69-705	\$105.00 VOLUME PRICING Request a Quote	IN STOCK 1

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	Dia. (mm) ↑↓	Dimensions (mm) ↑↓	EFL (mm) ↑↓	Coating ↑↓	Compare	Stock Number ↑↓	Price	Buy
➤		5.0 x 10.0	50.00	Uncoated		#43-859	\$89.50 VOLUME PRICING Request a Quote	IN STOCK 1
➤		5.0 x 10.0	50.00	VIS-NIR (400-1000nm)		#47-960	\$105.00 VOLUME PRICING Request a Quote	IN STOCK 1
➤		5.0 x 10.0	50.00	MgF <sub>2</sub> (400-700nm)		#47-766	\$98.50 VOLUME PRICING Request a Quote	IN STOCK 1
➤		5.0 x 10.0	50.00	VIS 0° (425-675nm)		#69-695	\$105.00 VOLUME PRICING Request a Quote	IN STOCK 1
➤		5.0 x 10.0	50.00	NIR I (600-1050nm)		#69-706	\$105.00 VOLUME PRICING Request a Quote	IN STOCK 1
➤	10.00	-	15.00	Uncoated		#47-754	\$99.50 VOLUME PRICING Request a Quote	IN STOCK 1
➤	10.00	-	15.00	MgF <sub>2</sub> (400-700nm)		#47-767	\$109.50 VOLUME PRICING Request a Quote	IN STOCK 1
➤	10.00	-	20.00	Uncoated		#47-755	\$99.50 VOLUME PRICING Request a Quote	IN STOCK 1
➤	10.00	-	20.00	MgF <sub>2</sub> (400-700nm)		#47-768	\$109.50 VOLUME PRICING Request a Quote	IN STOCK 1
➤	10.00	-	20.00	VIS-NIR (400-1000nm)		#47-962	\$115.00 VOLUME PRICING Request a Quote	IN STOCK 1
➤	10.00	-	20.00	VIS 0° (425-675nm)		#69-696	\$115.00 VOLUME PRICING Request a Quote	IN STOCK 1
➤	10.00	-	20.00	NIR I (600-1050nm)		#69-707	\$115.00 VOLUME PRICING Request a Quote	IN STOCK 1
➤	10.00	-	30.00	Uncoated		#47-756	\$99.50 VOLUME PRICING Request a Quote	IN STOCK 1

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	<b>Dia.</b> <b>(mm)</b> ↑↓	<b>Dimensions</b> <b>(mm)</b> ↑↓	<b>EFL</b> <b>(mm)</b> ↑↓	<b>Coating</b> ↑↓	<b>Compare</b>	<b>Stock</b> <b>Number</b> ↑↓	<b>Price</b>	<b>Buy</b>		
	10.00	-	30.00	MgF <sub>2</sub> (400-700nm)		<b>#47-769</b>	\$109.50 VOLUME PRICING <b>Request a Quote</b>	IN STOCK	1	
	10.00	-	30.00	VIS-NIR (400-1000nm)		<b>#47-963</b>	\$115.00 VOLUME PRICING <b>Request a Quote</b>	IN STOCK	1	
	10.00	-	30.00	VIS 0° (425-675nm)		<b>#69-697</b>	\$115.00 VOLUME PRICING <b>Request a Quote</b>	IN STOCK	1	
	10.00	-	30.00	NIR I (600-1050nm)		<b>#69-708</b>	\$115.00 VOLUME PRICING <b>Request a Quote</b>	IN STOCK	1	
	10.00	-	50.00	Uncoated		<b>#47-757</b>	\$99.50 VOLUME PRICING <b>Request a Quote</b>	IN STOCK	1	
	10.00	-	50.00	MgF <sub>2</sub> (400-700nm)		<b>#47-770</b>	\$109.50 VOLUME PRICING <b>Request a Quote</b>	IN STOCK	1	
	10.00	-	50.00	VIS-NIR (400-1000nm)		<b>#47-964</b>	\$115.00 VOLUME PRICING <b>Request a Quote</b>	IN STOCK	1	
	10.00	-	50.00	VIS 0° (425-675nm)		<b>#69-698</b>	\$115.00 VOLUME PRICING <b>Request a Quote</b>	IN STOCK	1	
	10.00	-	50.00	NIR I (600-1050nm)		<b>#69-709</b>	\$115.00 VOLUME PRICING <b>Request a Quote</b>	IN STOCK	1	
	10.00	-	75.00	Uncoated		<b>#47-758</b>	\$99.50 VOLUME PRICING <b>Request a Quote</b>	CONTACT US	1	
	10.00	-	75.00	MgF <sub>2</sub> (400-700nm)		<b>#47-771</b>	\$109.50 VOLUME PRICING <b>Request a Quote</b>	CONTACT US	1	
	10.00	-	75.00	VIS-NIR (400-1000nm)		<b>#47-965</b>	\$115.00 VOLUME PRICING <b>Request a Quote</b>	IN STOCK	1	

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	Dia. (mm) ↑↓	Dimensions (mm) ↑↓	EFL (mm) ↑↓	Coating ↑↓	Compare	Stock Number ↑↓	Price	Buy
	10.00	-	75.00	NIR I (600-1050nm)		#69-710	\$115.00 VOLUME PRICING Request a Quote	CONTACT US 1 
		10.0 x 20.0	15.00	Uncoated		#43-860	\$135.00 VOLUME PRICING Request a Quote	IN STOCK 1
		10.0 x 20.0	15.00	MgF <sub>2</sub> (400-700nm)		#47-773	\$139.00 VOLUME PRICING Request a Quote	IN STOCK 1
		10.0 x 20.0	75.00	Uncoated		#43-861	\$135.00 VOLUME PRICING Request a Quote	IN STOCK 1
		10.0 x 20.0	75.00	MgF <sub>2</sub> (400-700nm)		#47-774	\$139.00 VOLUME PRICING Request a Quote	IN STOCK 1
		10.0 x 20.0	75.00	NIR I (600-1050nm)		#69-711	\$149.00 VOLUME PRICING Request a Quote	IN STOCK 1
		10.0 x 20.0	100.00	Uncoated		#43-862	\$135.00 VOLUME PRICING Request a Quote	IN STOCK 1
		10.0 x 20.0	100.00	MgF <sub>2</sub> (400-700nm)		#47-775	\$139.00 VOLUME PRICING Request a Quote	IN STOCK 1
		10.0 x 20.0	100.00	VIS-NIR (400-1000nm)		#47-969	\$149.00 VOLUME PRICING Request a Quote	IN STOCK 1
		10.0 x 20.0	100.00	VIS 0° (425-675nm)		#69-701	\$149.00 VOLUME PRICING Request a Quote	CONTACT US 1 

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