

**S50R - April 11, 2018**

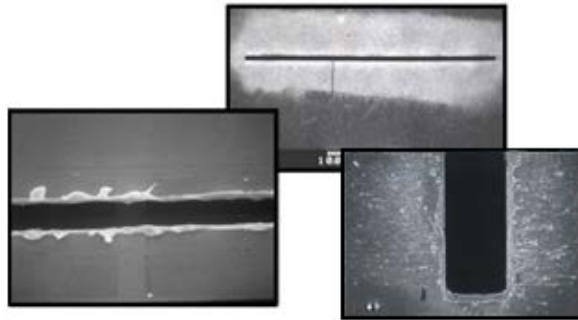
Item # S50R was discontinued on April 11, 2018. For informational purposes, this is a copy of the website content at that time and is valid only for the stated product.

**MOUNTED OPTICAL SLITS**

- ▶ 12 Slit Widths Available Ranging from 5-200  $\mu\text{m}$
- ▶  $\varnothing 1"$  Housing is SM1 Compatible
- ▶ High Damage Threshold



S50R



[Hide Overview](#)

**OVERVIEW**

**Optical Slit Dimensions & Material**

- Slit Widths Available: 5 - 200  $\mu\text{m}$  (See Table to Right for Details)
- Slit Length: 3 mm
- Slit Thickness: 12.7  $\mu\text{m}$
- Housing: Aluminum or Black Stainless Steel with  $\varnothing 1"$  Outer Diameter x 0.10" Thick
- Slit Material: 302 Stainless Steel w/ Black Oxide Finish
- Unmounted Slit:  $\varnothing 3/8"$  (9.5 mm) x 0.0005" (12.8  $\mu\text{m}$ ) Thick
- Position Tolerance of Slit:  $\varnothing 0.006"$  ( $\varnothing 0.15$  mm) within the Foil Disk

**Damage Thresholds**

- $5 \times 10^4$  W/mm<sup>2</sup>, 75 ns Pulse @ 700 nm
- $1 \times 10^5$  W/mm<sup>2</sup>, 10 ns Pulse @ 700 nm
- $1 \times 10^3$  W/mm<sup>2</sup>, CW @ 10.6  $\mu\text{m}$

Item #	Slit Width	Tolerance	Housing Material
S5RH	5 $\mu\text{m}$	$\pm 1$ $\mu\text{m}$	Black Stainless Steel
S10R	10 $\mu\text{m}$	$\pm 1$ $\mu\text{m}$	Aluminum
S15R	15 $\mu\text{m}$	$\pm 1$ $\mu\text{m}$	
S20RH	20 $\mu\text{m}$	$\pm 2$ $\mu\text{m}$	Black Stainless Steel
S30RH	30 $\mu\text{m}$	$\pm 2$ $\mu\text{m}$	
S40R	40 $\mu\text{m}$	$\pm 2$ $\mu\text{m}$	Aluminum
S50R	50 $\mu\text{m}$	$\pm 3$ $\mu\text{m}$	
S100RH	100 $\mu\text{m}$	$\pm 4$ $\mu\text{m}$	Black Stainless Steel
S150R	150 $\mu\text{m}$	$\pm 4$ $\mu\text{m}$	Aluminum
S200RH	200 $\mu\text{m}$	$\pm 4$ $\mu\text{m}$	Black Stainless Steel

These optical slits are mounted in a  $\varnothing 1"$  plate, perfect for mounting in our SM1-series lens tubes (SM1L03). The slit in the foil disk is not necessarily aligned horizontally or vertically during the assembly process.

If you do not see what you need in our stocked offerings below, it is possible to special order slits that are fabricated from different substrate materials, have different slit sizes, incorporate multiple slits in one foil, or provide different slit configurations. Customized housings are also available. Please contact Technical

Support to discuss your specific needs.

[Hide Mounted Optical Slits](#)

## Mounted Optical Slits

Part Number	Description	Price	Availability
S5RH	NEW! Ø1" Mounted Slit, 5 ± 1 µm Wide, 3 mm Long	\$116.00	Today
S10R	Ø1" Mounted Slit, 10 ± 1 µm Wide, 3 mm Long	\$106.00	Lead Time
S15R	Ø1" Mounted Slit, 15 ± 1 µm Wide, 3 mm Long	\$104.00	Today
S20RH	Ø1" Mounted Slit, 20 ± 2 µm Wide, 3 mm Long	\$110.00	Today
S30RH	NEW! Ø1" Mounted Slit, 30 ± 2 µm Wide, 3 mm Long	\$101.00	Today
S40R	Ø1" Mounted Slit, 40 ± 2 µm Wide, 3 mm Long	\$95.75	Today
S50R	Ø1" Mounted Slit, 50 ± 3 µm Wide, 3 mm Long	\$95.75	Lead Time
S100RH	NEW! Ø1" Mounted Slit, 100 ± 4 µm Wide, 3 mm Long	\$95.75	Today
S150R	Ø1" Mounted Slit, 150 ± 4 µm Wide, 3 mm Long	\$95.75	Today
S200RH	Ø1" Mounted Slit, 200 ± 4 µm Wide, 3 mm Long	\$95.75	Today



50µm