

S5R - Feb 2, 2018

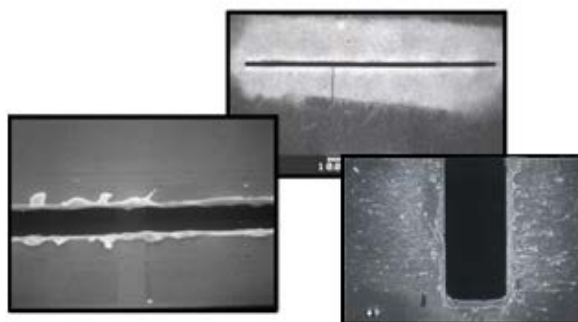
Item # S5R was discontinued on Feb 2, 2018. For informational purposes, this is a copy of the website content at that time and is valid only for the stated product.

MOUNTED OPTICAL SLITS

- ▶ 12 Slit Widths Available Ranging from 5-200 μm
- ▶ $\varnothing 1$ " Housing is SM1 Compatible
- ▶ High Damage Threshold



S50R



[Hide Overview](#)

OVERVIEW

Optical Slit Dimensions & Material

- Slit Widths Available: 5 - 200 μm (See Table to Right for Details)
- Slit Length: 3 mm
- Slit Thickness: 12.8 μm
- 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 μm) Thick
- Position Tolerance of Slit: $\varnothing 0.006$ " ($\varnothing 0.15$ mm) within the Foil Disk

Damage Thresholds

- 5×10^4 W/mm², 75 ns Pulse @ 700 nm
- 1×10^5 W/mm², 10 ns Pulse @ 700 nm
- 1×10^3 W/mm², CW @ 10.6 μm

Item #	Slit Width	Tolerance	Housing Material
S5R	5 μm	± 1 μm	Aluminum
S10R	10 μm	± 1 μm	
S15R	15 μm	± 1 μm	
S20RH	20 μm	± 2 μm	Black Stainless Steel
S30R	30 μm	± 2 μm	Aluminum
S40R	40 μm	± 2 μm	
S50R	50 μm	± 3 μm	
S100R	100 μm	± 4 μm	
S150R	150 μm	± 4 μm	
S200RH	200 μm	± 4 μm	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
S5R	Ø1" Mounted Slit, 5 ± 1 µm Wide, 3 mm Long	\$116.00	Lead Time
S10R	Ø1" Mounted Slit, 10 ± 1 µm Wide, 3 mm Long	\$106.00	Today
S15R	Ø1" Mounted Slit, 15 ± 1 µm Wide, 3 mm Long	\$104.00	Today
S20RH	NEW! Ø1" Mounted Slit, 20 ± 2 µm Wide, 3 mm Long	\$110.00	Today
S30R	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	Today
S100R	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	NEW! Ø1" Mounted Slit, 200 ± 4 µm Wide, 3 mm Long	\$95.75	Today

Visit the *Mounted Optical Slits* page for pricing and availability information:

https://www.thorlabs.com/newgrouppage9.cfm?objectgroup_id=1464