

SMO 50° Single Element Lens



Single Element Lens

Stock **#90-762** NEW [CONTACT US](#)

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C\$13³⁰

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Volume Pricing	
Qty 1-9	C\$13.30 each
Qty 10-24	C\$11.31 each
Qty 25-49	C\$10.64 each
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Product Downloads

General	
Clamp-ring soldered	Note:
Physical & Mechanical Properties	
10.50	Diameter (mm):
5.89mm	Height (mm):

Optical Properties	
SILASTIC™ MS-1002 Moldable Silicone	Substrate: ☐
	Color: ☐
0.9	
Overall Efficiency (%):	
View	
Certificate of Conformance:	

Product Details

- Five Lens Shape Options
- Over 90% Efficient from UV-A through Visible and Near IR
- Solder Pads Allow for High-Precision Placement

LumenFlow Surface Mount Optics deliver high optical efficiency in a compact, low-profile package that easily integrates into photonic assemblies. Molded with tight tolerances, each optic ensures repeatable performance across production batches. Designed for automated placement and soldering on a PCB simultaneously with SMT components, these optics support high-volume manufacturing workflows while reducing assembly costs and cycle times. LumenFlow Surface-Mount Optics are made with optical grade silicone which doesn't melt or reflow and has an operating temperature of 200C. Silicone is also water resistant, submersible, UV resistant, and resists impact and environmental wear, ensuring long-term stability in demanding applications. Available in a broad range of focal lengths, and form factors, these optics meet the needs of diverse machine-vision, sensing and illumination applications from UV-A to 1.6µm.

Technical Information

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