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SMO 50° Single Element Lens Reel

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General

Contents of Kit:
This is a reel of 460 optics

Note:
Clamp-ring soldered

Physical & Mechanical Properties

Diameter (mm):
10.50

Height (mm):
5.89mm

Optical Properties

Substrate:
SILASTIC™ MS-1002 Moldable Silicone

Color:
White

Overall Efficiency (%):
0.9

Regulatory Compliance

Certificate of Conformance:
View

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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