

Aspheric Lens for Optical Applications

The aspheric lens is designed for optimal light focusing and minimal spherical aberration. It is suitable for laser systems, imaging devices, and scientific instruments.



ADDITIONAL IMAGES



Product Overview

High-Precision Aspheric Lenses

These aspheric lenses are designed for demanding optical applications, offering superior image quality and significantly reduced spherical aberration compared to traditional spherical lenses. They are specifically corrected for coma, astigmatism, and spherochromatism, making them an ideal choice for collimating or focusing laser diode light. Available in various materials and coatings, these lenses ensure high performance across a wide range of wavelengths.

Optical Performance

Wave Front Aberration

40 ml
RMS

Aberration Correction

Spherical Aberration, Coma, Astigmatism, Spherochromatism

Technical Specifications

Surface Quality

20-10 scratch-dig

Focal Length Range

5mm - 500mm

Diameter Range

5mm - 100mm

Index of Refraction

1.5 - 1.9

Applications

Primary Applications

- Laser Diode Collimation
- Imaging Systems
- Scientific Instrumentation
- Beam Shaping