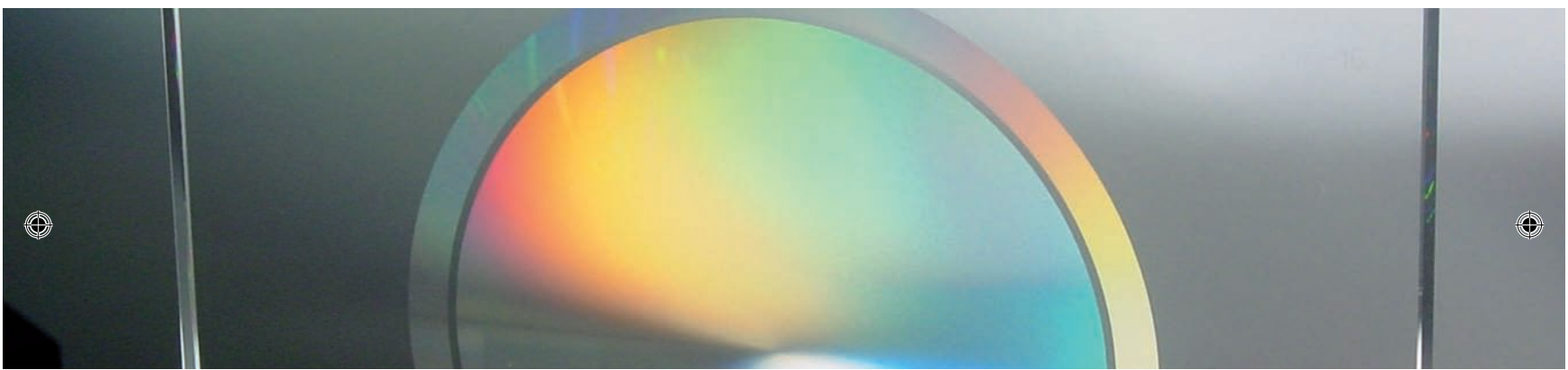




Diffraction Aspheric Lenses



Jenoptik diffractive aspheric lenses are flat optical elements that generate an aspheric wavefront. Such diffractive aspheric lenses serve as null lenses in precision interferometric tests for manufacturing high quality refractive aspheric lenses. They are also used as aspheric elements in optical systems with unique aberration compensation properties.

Features:

- Precise aspheric wavefront
- Highly efficient multilevel and gray scale structures
- Rotation symmetric, cylindrical, elliptic and freeform wavefronts
- Large clear apertures
- Wavelengths from deep UV to long-wave infrared
- Wide range of materials
- Precise alignment structures at the rim for easy alignment
- Off-axis designs

Applications:

- Diffractive null lens for testing aspheres
- Testing of optical systems
- Compensation of chromatic aberrations of lens systems
- Flat image plane optics

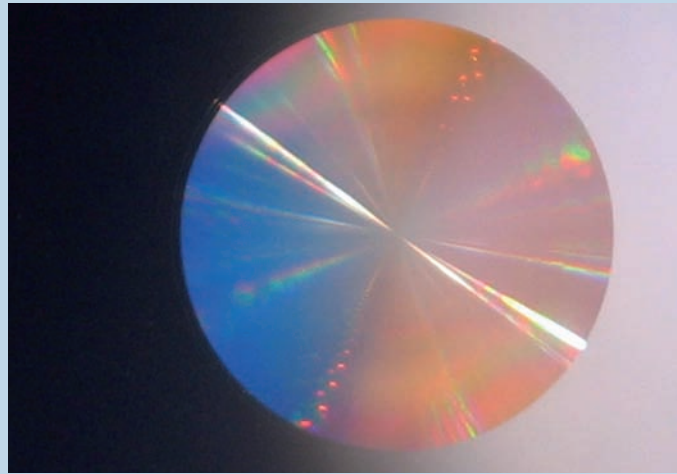
Microoptics

Diffraction Aspheric Lenses

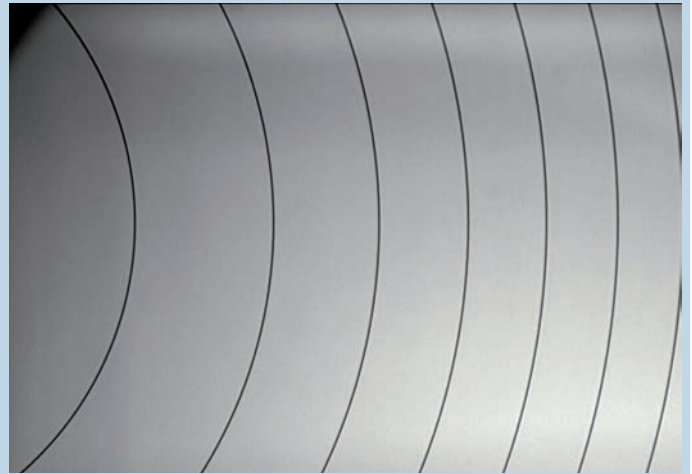
Specifications

Materials:	Fused Silica, ZnSe, ZnS, Si, Ge, GaP, GaAs, Sapphire
Wavelengths:	193 nm to 14 μ m
Max. efficiency:	90 % with multilevel and gray scale structures
Max. N.A. (@ 632.8 nm):	0.1 (multilevel) / 0.4 (binary)
Clear aperture:	< 120 mm
Dimensions:	5 x 5 mm ² to 150 x 150 mm ²
Thickness:	0.3 mm to 6.35 mm
Coatings:	Broadband or laser line AR
Product number:	029140

Diffraction lens



Structure of a diffraction lens



It is our policy to constantly improve the design and specifications. Accordingly, the details represented herein cannot be regarded as final and binding.



JENOPTIK | Optical Systems
Microoptics Business Unit
JENOPTIK Laser, Optik, Systeme GmbH
Goeschwitzer Strasse 25 | 07745 Jena | Germany
Phone +49 3641 65-2442 | Fax -2443
microoptics@jenoptik.com | www.jenoptik-los.com

MEMS Optical, Inc.
205 Import Circle | Huntsville | AL 35806 | USA
Phone +1 256 859-1886 | Fax +1 256 859-5890
info@memsoptical.com | www.memsoptical.com

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