

diffractive optics for thin pdf

HOLOEYE offers a set of cost-efficient plastic standard diffractive optics with various patterns like dot arrays, dot-circles, circles, multi-lines and cross patterns. These stock elements are replicated using plastic materials like Polymethyl Methacrylate (PMMA) or Polycarbonate (PC).

Standard DOE (Plastics) | HOLOEYE Photonics AG

A lens is a transmissive optical device that focuses or disperses a light beam by means of refraction. A simple lens consists of a single piece of transparent material, while a compound lens consists of several simple lenses (elements), usually arranged along a common axis. Lenses are made from materials such as glass or plastic, and are ground and polished or molded to a desired shape.

Lens (optics) - Wikipedia

Introduced in 1987, the EF lens mount is the standard lens mount on the Canon EOS family of SLR film and digital cameras. EF stands for "Electro-Focus": automatic focusing on EF lenses is handled by a dedicated electric motor built into the lens.

Canon EF lens mount - Wikipedia

Optik publishes articles on all subjects related to light and electron optics and offers a survey on the state of research and technical development within the following fields: Optics: Optics design, geometrical and beam optics, wave optics; Optical and micro-optical components, diffractive optics, devices and systems

Optik - Journal - Elsevier

X-Ray Data Booklet Section 4.4 ZONE PLATES. Janos Kirz and David Attwood. A zone plate is a circular diffraction grating. In its simplest form, a transmission Fresnel zone plate lens consists of alternate transparent and opaque rings.

Section 4.4 ZONE PLATES - Lawrence Berkeley National

Terahertz (THz) radiation is located in the spectral region ~ 0.1 -10 THz (~ 3 mm - $30 \hat{1}\frac{1}{4}$ m, 3 cm⁻¹ - 300 cm⁻¹) between the microwave and mid infrared range of the electromagnetic spectrum. In comparison with visible or infrared waves, THz radiation can penetrate into organic materials such as skin, plastics, cloth, or paper products.

TYDEX THz Materials - TYDEX Research&Industrial Optics

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In the following section the detection principles on thin metallic layers and metallic spherical nanoparticles are recalled and an effective refractive index is defined in order to compare the signals from the pSPR and ISPR systems.

Propagating and localized surface plasmon resonance

Terahertz Technology Articles and Papers. TeraView's strong commitment to fundamental and applied THz research and development combined with its drive to understand and interpret terahertz data is represented in continuous publications in international journals.

Terahertz Publications | Articles and Papers - TeraView

Back to Sam's Laser FAQ Table of Contents.; Back to Diode Lasers Sub-Table of Contents. Basic Characteristics, Structure, Safety, Common Types Introduction to Diode Lasers and Laser Diodes Note: Throughout this document, we will use the terms 'laser diode' and 'diode laser' somewhat interchangeably although we will tend to use the term 'diode laser' when referring to a complete system or module.

Sam's Laser FAQ - Diode Lasers

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