Concave Diffraction Grating Beam Splitter

Diffractive gratings on thin membranes or silicon wafers with outstanding precision fabrication. Application across the low or high X-ray energy spectrum. We specialize in custom gratings as well ...

A concave grating has the advantage of setting up a spectroscopic system without the need for imaging optics like concave mirrors. For this reason, concave gratings are used in a wide range of applications.

A compact and efficient aberration corrected concave grating is manufactured for transmitting multiple wavelength light beams through an optical fiber and acts to separate the beams at the receiving ...

The integration of beam splitters and grating structures is central to contemporary developments in optical engineering.

Compared with plane gratings, they offer one important advantage: they provide the focusing (imaging) properties to the grating that otherwise must be supplied by separate optical elements.

Diffraction gratings are widely used for high resolution spectral studies. The grating available in the lab is a holographically-produced, concave grating of 600 lines/mm and radius of curvature. S = 1075 mm. ...

Edmund Optics" transmission grating beamsplitters consist of an index-matched epoxy replica on a polished glass substrate for a high total efficiency. Transmission Grating Beamsplitters are available ...

Coligh specializes in the production of diffractive beam-splitting elements, and we have produced a wide range of 2D Diffractive Beam Splitting Gratings, with the highest array of dots that can reach 33X33 ...

In this paper, a novel dual-functional grating beam splitter is presented, designed to exhibit unique diffraction characteristics for transverse electric (TE) and transverse magnetic (TM) ...

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