



DOE-SG10-x Diffractive Optical Element DOE Grid 10x10



Features

- Square Grid 10x10
- Substrate material: PET/PMMA
- DOE active area: 5x5 mm
- Design wavelength: 650 nm
- Minimum recommended beam diameter (FWHM): 2mm

DOE Specifications

Parameters	Value
Field of View (FOV)	50° x 50°
Zero Order	≤ 3%
Substrate Material	PET, PMMA

Notes:

1. Contrast: In the defined area, the ratio of the 95th percentile of the grayscale value over the median grayscale value of the background, $C = I_{95\%} / I_{median}$
2. Uniformity: The ratio of the grayscale value of the area at a given location to the grayscale value of the area in the center of the pattern, $U = I_{each\ area} / I_{max\ of\ each\ area}$

Ordering Information

Part Number	Description
DOE-SG10-PET5	Diffractive Optical Element DOE Square Grid 10x10 (50° at 650nm) – PET - Dia. 5mm x T. 0.188mm
DOE-SG10-PMMA5	Diffractive Optical Element DOE Square Grid 10x10 (50° at 650nm) – PMMA - Dia. 5mm x T. 1mm

Note: Specifications are subject to change without notice.