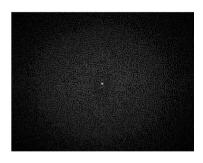


DOE-RD10K850B-x Diffractive Optical Element DOE 10000-Dot Random Pattern (80x64.4 deg at 850nm)



Features

Random dots patternNumber of dots: 10,000

Substrate material: PET/PMMA
 DOE active area: 6x6 mm
 Design wavelength: 850nm

• Minimum recommended beam diameter (FWHM): 2mm

DOE Specifications

Parameters	Value
Field of View (FOV)	80°x64.4° (HxV)
Aspect Ratio	4:3
Contrast ¹ (calculated by gray level)	≧10
Uniformity ² (calculated by gray level)	≧30%
Zero Order	≦0.2%
Substrate Material	PET, PMMA

Notes:

- 1. Contrast: In the defined area, the ratio of the 95th percentile of the grayscale value over the midian grayscale value of the background, $C=I_{95\%}/I_{midian}$
- 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-RD10K850B-PET5	Diffractive Optical Element DOE 10000-Dot Random Pattern (80°x64.4° at 850nm) –
	PET - Dia. 5mm x T. 0.188mm
DOE-RD10K850B-PMMA5	Diffractive Optical Element DOE 10000-Dot Random Pattern (80°x64.4° at 850nm) –
	PMMA - Dia. 5mm x T. 1mm

Note: Specifications are subject to change without notice.

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