

Double-sided glass microlens arrays

Variable microlens arrays

Microlens arrays for very different applications offer great potential for future developments by enabling components to be further reduced in size, lowering production costs and increasing the performance of the end product.

As a series manufacturer, we supply microlens arrays and acylinder lens arrays, with a size of up to 50 x 50 mm². A wide variety of spherical lenses with a broad parameter field of lens radius, lens height and lens pitch can be combined in an array. Thanks to our special processes and our own toolmaking, the dead zones are very small and the proportion of used surface is very large.

Technical specifications

	Array diameter / aperture		Center thickness		Lenslet diameter		Fill factor	Surface roughness	Offset front to back
	in mm		in mm		in mm		in %	in nm	in mm
		tolerance		tolerance		tolerance			
Arrays	25	±0.01	0.5 - 6.5	±0.01	0.1 - 3	±0.01	99	< 5	±0.01

* depending on pitch

More features

Lenslet aperture typ	Radius of curvature	Offset front to back
• Circular / rectangular / hexagonal	• 0.15 mm - 30 mm • Equal or more than ± 2%	• Less than 10 µm

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Other sizes and tolerances available per request.