

Fiber coupler and collimator

18-00980



Features and Advantages

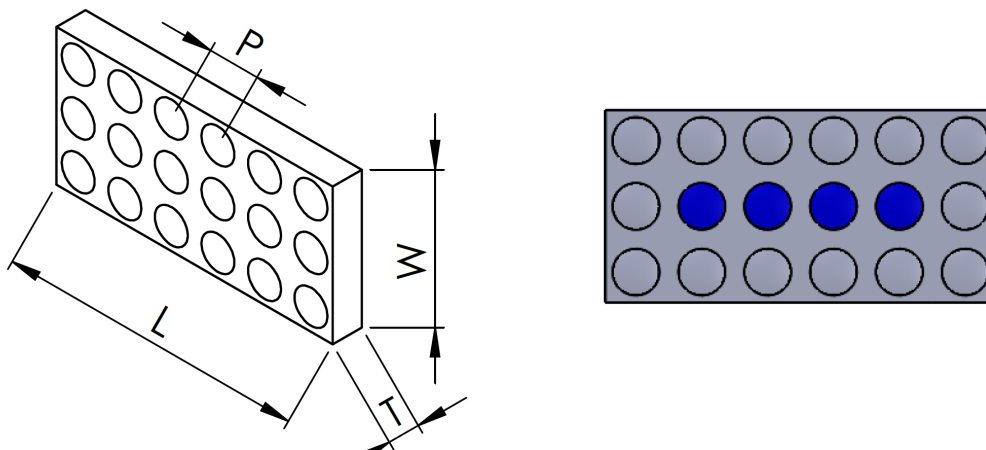
Precision etched microlens array for fiber optic collimation and refocusing applications. Low pointing error and minimal optical phase front distortions enabled by wafer-level manufacturing.

* Product picture & drawing only for reference.

Product Specifications

Specification Data	Unit	Value
Material		Silicon
Length (L)	mm	1.45 ± 0.05
Width (W)	mm	0.7 ± 0.05
Center thickness (T)	mm	0.38 ± 0.01
Optical effective area	mm	φ0.200
Lens radius of curvature	mm	0.355
ROC tolerance within lens array	%	3
ROC tolerance between parts	%	3
Conic constant		-2.5
Pitch (P)	mm	0.250
Design wavelength	nm	1550
Transmission (with coating)	%	>98
Reflectivity	%	<0.5
Effective focal length (EFL)	mm	0.140
Working distance (WD)	mm	0.034
Product description		Si_Sph_1x4_P0.25_R0.355_t0.38_1_001

Product Drawing (mm)



Rev 01 | Updated March 28, 2024