

# Fiber coupler and collimator

18-00982



## Features and Advantages

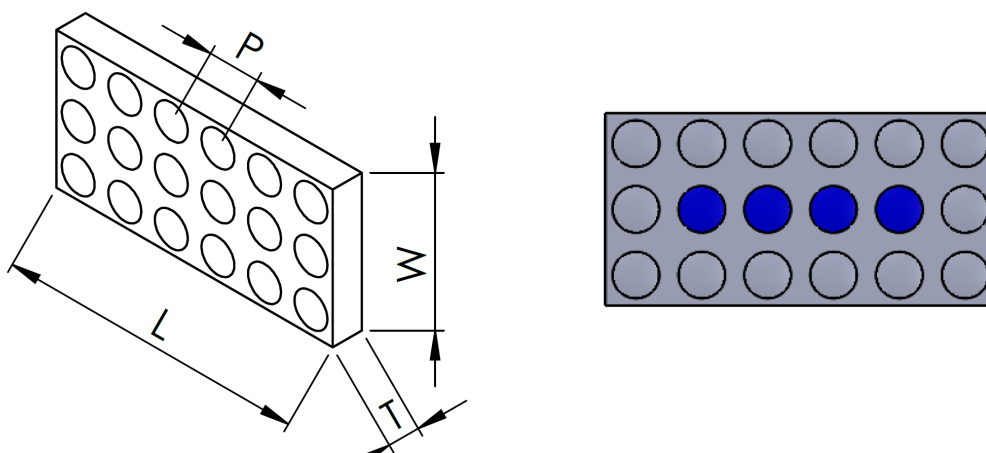
Precision etched microlens array for fiber optic collimation and refocusing applications. Low pointing error and minimal optical phase front distortions enabled by wafer-level manufacturing.

\* Product picture & drawing only for reference.

## Product Specifications

Specification Data	Unit	Value
Material		Silicon
Length (L)	mm	4.45 ± 0.05
Width (W)	mm	2.2 ± 0.05
Center thickness (T)	mm	0.5 ± 0.01
Optical effective area	mm	φ0.620
Lens radius of curvature	mm	3.378
ROC tolerance within lens array	%	3
ROC tolerance between parts	%	3
Conic constant		0
Pitch (P)	mm	0.750
Design wavelength	nm	1310
Transmission (with coating)	%	>98
Reflectivity	%	<0.5
Effective focal length (EFL)	mm	1.350
Working distance (WD)	mm	1.202
<b>Product description</b>		<b>Si_Sph_1x4_P0.75_R3.378_t0.5_1_001</b>

## Product Drawing (mm)



Rev 01 | Updated March 28, 2024