

Fiber coupler & collimator

18-00977



Features and Advantages

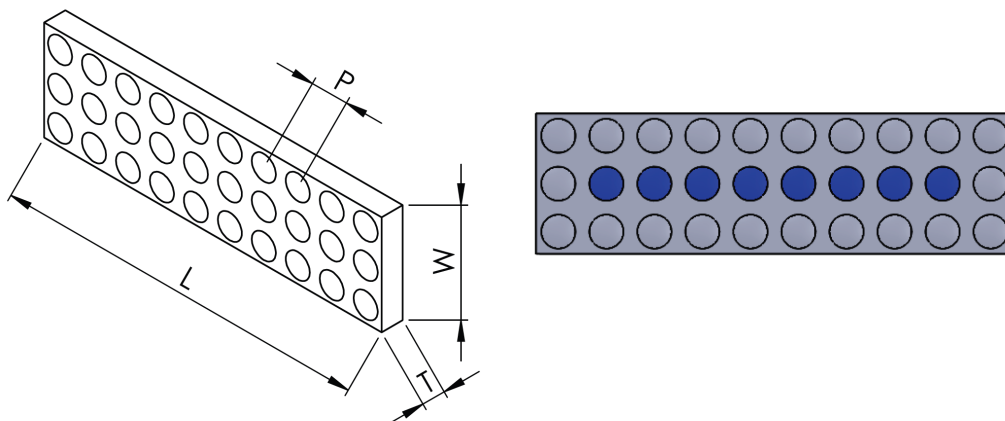
Precision etched microlens array for fiber optic collimation and refocusing applications. Low pointing error and minimal optical phase front distortions enabled by wafer-level manufacturing.

* Product picture & drawing only for reference.

Product Specifications

Specification Data	Unit	Value
Material		Silicon
Length (L)	mm	7.45 ± 0.05
Width (W)	mm	2.2 ± 0.05
Center thickness (T)	mm	0.5 ± 0.01
Optical effective area	mm	$\phi 0.420$
Lens radius of curvature	mm	1.119
ROC tolerance within lens array	%	3
ROC tolerance between parts	%	3
Conic constant		-4.2
Pitch (P)	mm	0.750
Design wavelength	nm	1550
Transmission (with coating)	%	>98
Reflectivity	%	<0.5
Effective focal length (EFL)	mm	0.450
Working distance (WD)	mm	0.304
Product description	Si_Sph_1x8_P0.75_R1.119_t0.5_1_001	

Product Drawing (mm)



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