

Fiber Coupler 800-1000

Product number: ZLE000427



General Description:

| Advanced Optical Solutions |

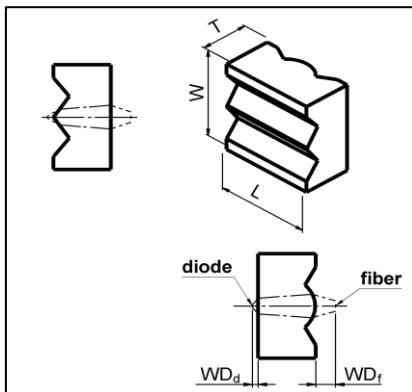
Fiber coupler for the efficient coupling of light from an up to 1000 μm wide emitter into an optical fiber.

Specification Data

	Unit	Value
Material		S-TIH53 (Ohara)
Length (L)	mm	3.0 ± 0.05
Width (W)	mm	3.0 ± 0.05
Thickness (T)	mm	3.02 ± 0.01
Clear aperture	mm^2	1.5×1.5
Surface quality @ 633 nm		$\lambda/4$ (typically)
Max. numerical aperture (NA)		FA: 0.6 SA: 0.1
Distance emitter facet - coupler (WD_d)	mm	0.1
Distance coupler - fiber (WD_f)	mm	1.8
Refractive index n @ 808 nm		1.823
Effective focal length EFL @ 808 nm	mm	FA: 0.1 SA: 1.95
Standard coating - AR	nm	790 - 990
Transmission	%	> 99
Typical coupling efficiencies (for AR coated fibers)		
Emitter width $\leq 800 \mu\text{m}$, NA 0.10; Fibre $\phi = 400 \mu\text{m}$, NA 0.22	%	> 90
Emitter width $\leq 1000 \mu\text{m}$, NA 0.15; Fibre $\phi = 600 \mu\text{m}$, NA 0.22	%	> 85

Options

Customized coating



RoHS compliant
2002/95/EG

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Version December 19, 2017