

Fiber Coupler 200

Product number: ZLE000425



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General Description:

| Advanced Optical Solutions |

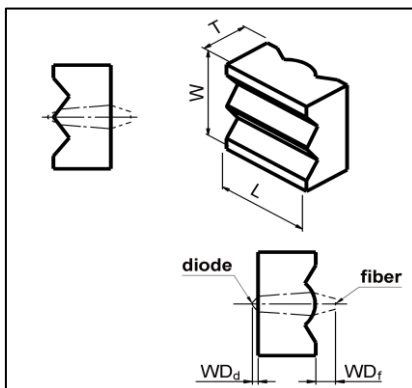
Fiber coupler for the efficient coupling of light from an up to 200 μm wide emitter into an optical fiber.

Specification Data

	Unit	Value
Material		S-TIH53 (Ohara)
Length (L)	mm	2.0 ± 0.05
Width (W)	mm	2.0 ± 0.05
Thickness (T)	mm	0.87 ± 0.01
Clear aperture	mm^2	0.75×0.75
Surface quality @ 633 nm		$\lambda/4$ (typically)
Max. numerical aperture (NA)		FA: 0.6 SA: 0.1
Distance emitter facet - coupler (WD_d)	mm	0.072
Distance coupler - fiber (WD_f)	mm	0.46
Refractive index n @ 808 nm		1.823
Effective focal length (EFL) @ 808 nm	mm	FA: 0.073 SA: 0.479
Standard coating - AR	nm	790 - 990
Transmission	%	> 99
Typical coupling efficiencies (for AR coated fibers)		
Emitter width 200 μm , NA 0.10; Fibre $\phi = 62,5 \mu\text{m}$, NA 0.22	%	> 70
Emitter width 200 μm , NA 0.10; Fibre $\phi = 100 \mu\text{m}$, NA 0.22	%	> 90
Emitter width 200 μm , NA 0.125; Fibre $\phi = 100 \mu\text{m}$, NA 0.22	%	> 85

Options

Customized coating



RoHS compliant
2002/95/EG

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