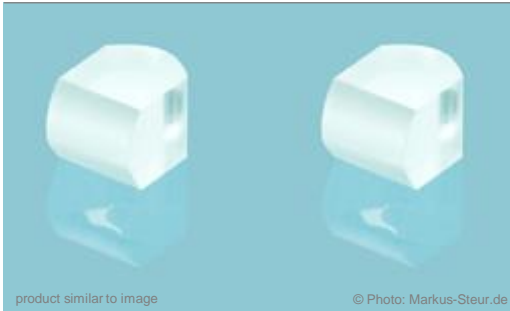


# Fiber Coupler For Packaged Emitters

Product number: ZLE000382



## General Description:

| **Advanced Optical Solutions** |

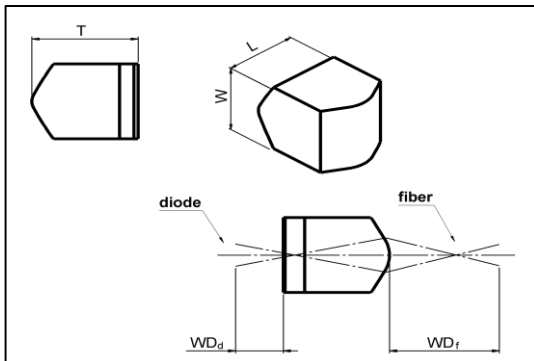
Monolithic fiber coupler for the efficient coupling of a packaged broad area emitter into an optical fiber.

## Specification Data

	Unit	Value
Material		S-TIH53 (Ohara)
Length (L)	mm	$2.4 \pm 0.05$
Width (W)	mm	$2.4 \pm 0.05$
Thickness (T)	mm	$3.0 \pm 0.02$
Clear aperture	mm <sup>2</sup>	1.1 x 1.1
Surface quality @ 633 nm		$\lambda/4$ (typically)
Max. numerical aperture (NA)		FA: 0.46 SA: 0.1
Distance emitter facet - coupler ( $WD_d$ )	mm	1.35
Distance coupler - fiber ( $WD_f$ )	mm	3.1
Refractive index n @ 808 nm		1.823
Effective focal length (EFL) @ 808 nm	mm	FA: 1.04 SA: 1.57
Standard coating - AR	nm	790 - 990
Transmission	%	> 99
Typical coupling efficiencies (for AR coated fibers)		
Emitter 100 $\mu\text{m}$ , NA 0.1; Fibre $\phi = 200 \mu\text{m}$ , NA 0.22	%	> 85
Emitter 200 $\mu\text{m}$ , NA 0.1; Fibre $\phi = 200 \mu\text{m}$ , NA 0.22	%	> 80

## On request

Customized coating



**RoHS compliant**  
2002/95/EG

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