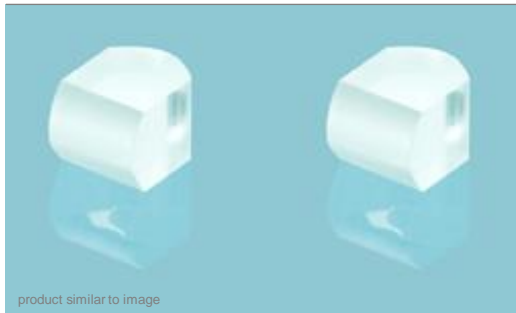


Fiber Coupler For Packaged Emitters

Product number: ZLE000382



General Description:

| Advanced Optical Solutions |

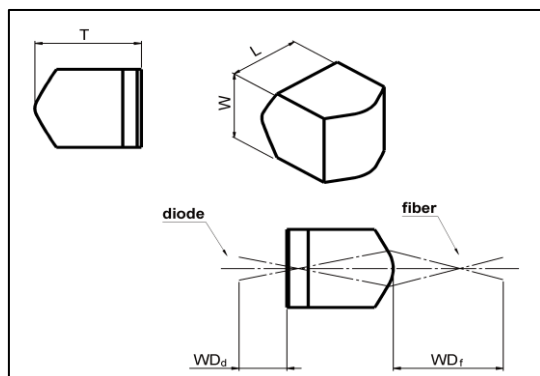
Fiber coupler for the efficient coupling of a packaged broad area emitter into an optical fiber. Large working distance allows combination with many cans or other packages without removal of the cap or window.

Specification Data

	Unit	Value
Material		S-TIH53 (Ohara)
Length (L)	mm	2.4 ± 0.05
Width (W)	mm	2.4 ± 0.05
Thickness (T)	mm	3.0 ± 0.02
Clear aperture	mm ²	1.1 x 1.1
Surface quality @ 633 nm		λ/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 μm, NA 0.1; Fibre φ = 200 μm, NA 0.22	%	> 85
Emitter 200 μm, NA 0.1; Fibre φ = 200 μm, NA 0.22	%	> 80

Options

Customized coating



RoHS compliant
2002/95/EG

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