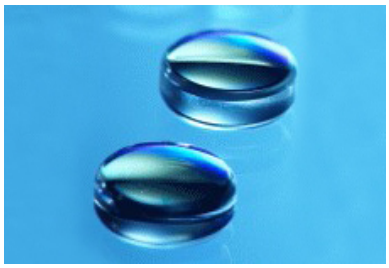
O1-CP-5.2-2.8-M

Glass Aspheric Fiber Coupling Lens



Application :

Laser Fiber Coupling

Property :

Molded Glass, Singlet lens, Double Aspheric Surfaces

Introduction :

Egismos now offer singlet molded glass coupling lens with double aspheric surfaces, specially designed for laser fiber coupling application.

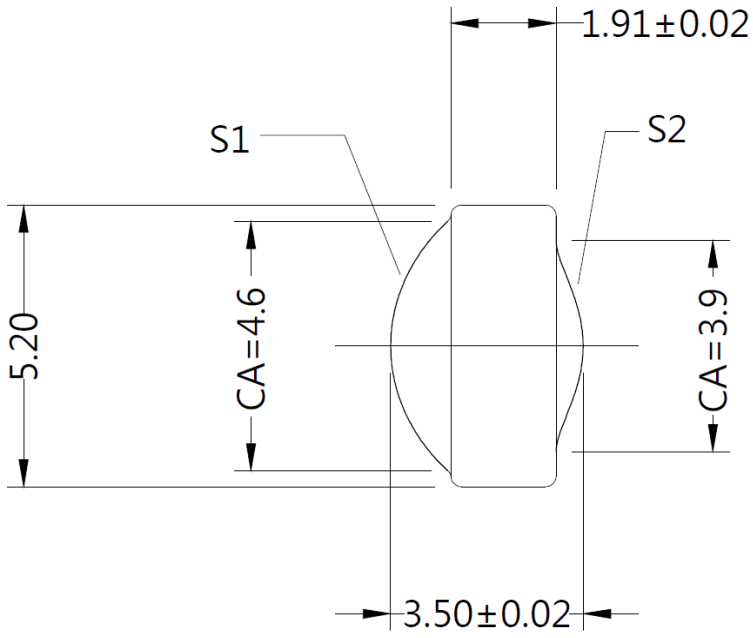
The strength of this coupling lens include high coupling efficeiency, low insertion loss, stable quality control in mass production and competitve price.

Aspheric Fiber Coupling Lens(Glass Lens) Key features :

Coupling laser light into a fiber
Anti-reflection coating,typ. >98%
Precise image point and high efficiency for laser-fiber coupling
High durability of temperature and humidity

Part No./ Parameter	λ (nm)	Dia.(mm)	CT (mm)	Working Distance (mm) (Object /Image)	NA(Object /Image)
O1-CP-5.2-2.8-M	400~900	5.2	3.5	2.88 / 7.28	0.47 / 0.22

O1-CP-5.2-2.8-M



EGISMOS
www.egismos.com
Tel: +1-360-3893347
sales@egismos.com

Specifications(typical @tc=25℃)

Item.	symbol	
Material		Glass (Nd=1.589, Vd=61.16)
Working Wavelength	λ	400~900nm
Numerical Aperture (Object / Image)	NA	0.47 / 0.22 @ 550nm
Effective Focal Length	EFL	2.89mm ±1% @550nm
Working Distance (Object / Image)	WD	2.88 / 7.28 @ 550nm
Wave Front Error		diffraction limit
Outer Diameter	OD (Φ)	5.20mm +0/-0.02mm
Clear Aperture (Effective Diameter)	CA	S1 Φ3.9mm / S2 Φ4.6mm
Center Thickness	CT	3.50mm±0.02mm
Edge Thickness	ET	1.91±0.02mm
Transmission (AR Coating)	T(ave)	>98% (400nm-900nm)
Operating Temperature		-30 ℃ to +150 ℃
Storage Temperature		-40 ℃ to + 180 ℃
Surface Quality (Mill Standard)		40/20

EGISMOS
www.egismos.com
Tel: +1-360-3893347
sales@egismos.com