

Using breakthrough technology,
we aim for products that will create new markets.

New Product News

Light, small and low cost

This lens improves the efficiency of coupling drastically with fiber for optical communication



Aspherical Glass Lenses

Lens with Barrel in one body for Optical Communication System

Industry/Field: OA, Information / Mobile communication

• Development goals:

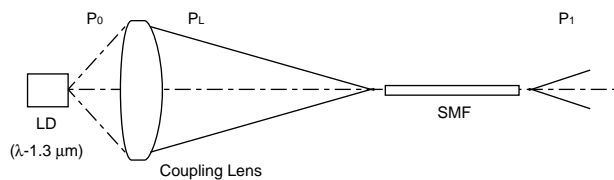
In the field of optical fiber communication applying laser diode modules, the Aspherical Lenses with the excellent "Coupling Efficiency" contribute long distance signal transmission and improve reliability of the communication system.

• Features:

- 1 Highly reliable construction of Aspherical lens with barrel in one body
- 2 Uniform in the physical dimension and the optical characteristic by the "One-Shot" precision molding process
- 3 Small diameter and wide product range of "Numerical Aperture" by precision mold processing

• Number of industrial property rights: 3

• Construction:



• Characteristics/specifications:

Item	EYLG30M097A	EYLG30M076A	EYLG35M100A
Numerical Aperture (LD side)	0.30	0.50	0.47
Numerical Aperture (SMF side)	0.100	0.100	0.097
Focal Length (mm)	1.499	1.381	1.133
Distance Between LD and SMF (mm)	8.500	10.486	8.500
Wave Length (nm)	780	1310	1310
Thickness (mm)	1.10	1.18	1.20
Lens Diameter (mm) (Barrel)	ø3.0	ø3.0	ø3.5

• Applications/usage examples:

- Laser module for optical communication system

• Explanation of part numbers:

Current Part Numbers	1	2	3	4	5	6	7	8	9	10	11	12
	E	O	L	G								
Product Code	EOLG (L) Aspherical Glass Lenses		Size / Diameter in mm		Anti-reflection Coating		Design No.		Additional Spec.			
	EYLG				F Single Anti-reflection M Multi Anti-reflection N Non		Lens Design Number		Unit with Barrel Special Spec. etc.			
New Development Item Part Numbers	1	2	3	4	5	6	7	8	9	10	11	12
	E	Y	L	G								
Product Code	EYLG Aspherical Glass Lenses		Series		Anti-reflection Coating		Design No.		Additional Spec.			
	EYLG		D For Optical disc drives L For Laser beam printers F For Optical Communication System S For Sensors C For Cameras		F Single Anti-reflection M Multi Anti-reflection N Non		Lens Design Number					
Mounted	U Mounted M Non-Mounted											