

Aspherical Glass Lenses

EYLG□□□□□□□□



Aspherical glass lens is a key device of optical electronics, with high product reliability and stability achieved by a wide range of glass material and a variety of design that utilize them.

Our unique manufacturing process, 'One-Shot' precision molding method as well as our excellent aspherical designs enable devices using this lens to downsize, trim weight and gain high performance.

Number of industrial property rights

- Domestic270
- Overseas 27

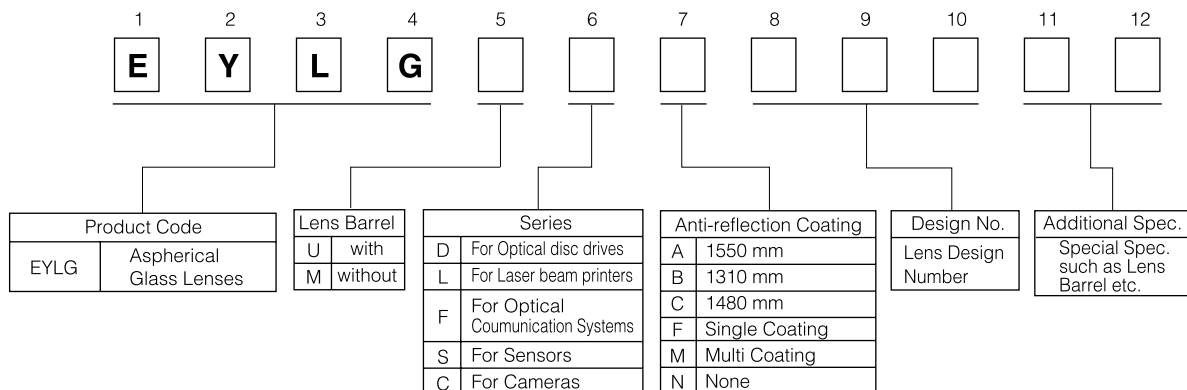
Features

- High numerical aperture based on aspherical design
- Compact and lightweight based on short focal length design
- Best choice from variety of glass materials enables to design lenses for many applications.
- High product reliability and stability. No damages caused by severe conditions of temperatures or humidities
- Equal optical characteristics achieved by adopting highly precise molding method
- Highly precise processing and measuring technique to supply the best designed lenses for many applications

Recommended Applications

- Pick up lens for optical drive devices
- Collimator lens for laser beam printers
- Coupling lens for optical communication systems
- Image formation lens for sensors

Explanation of Part Numbers



■ Specifications

- For optical communication systems

Item \ Part No.	EYLG MFA100B	EYLG MFA135A	EYLG MFA169B	EYLG UFA170B	EYLG MFA192A	EYLG MFB193C
Numerical Aperture (LD side)	0.47	–	–	0.6	–	0.4
Numerical Aperture (SMF side)	0.097	0.2	0.17	–	0.3	0.125
Focal Length (mm)	1.133	2.51	4.02	0.69	1.81	1.25
Distance Between LD and SMF (mm)	8.50	∞	∞	∞	∞	8.597
Wave Length (nm)	1550	1550	1550	1550	1550	1310
Thickness (mm)	1.2	1.1	1.21	0.8	1.15	1.22
Diameter (mm)	2.3	1.7	2.0	1.8	1.7	2.3
Lens Barrel Thickness (mm)	1.5	1.6	1.6	–	1.4	3.9
Lens Barrel Diameter (mm)	3.5	3	2.8	–	2.5	3.75

■ Dimensions in mm (not to scale)

