

## Aspherical Glass Lenses

EYLG□□□□□□□□



Lightweight, high-performance aspherical glass lenses for various optical electronics applications.

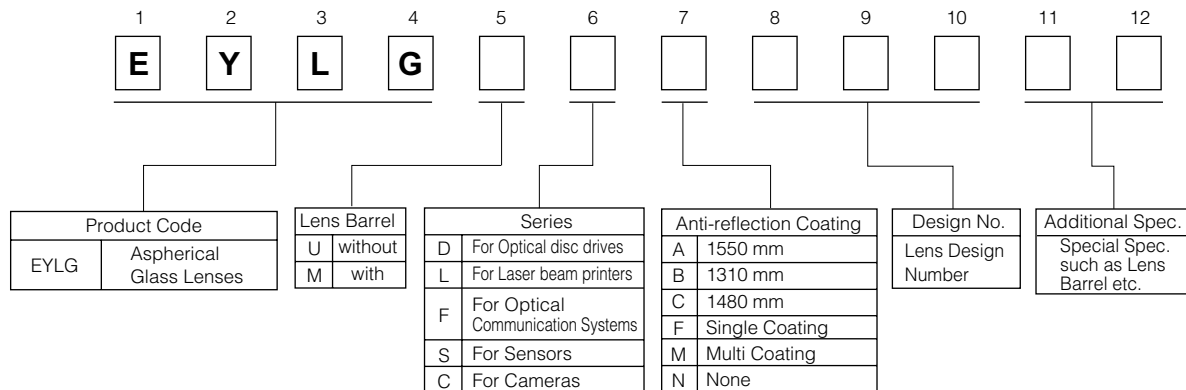
### ■ Features

- "One Shot" precision manufacturing process for an extremely compact, lightweight and high-performance lens
- High-quality processing and measurement techniques for superior performance
- Short focal length for compact size
- High numerical aperture achieved via aspherical design
- Wide temperature and humidity range for increased reliability and stability
- Various lenses and lens material available for many different applications

### ■ Recommended Applications

- Pickup lens for optical drive devices
- Collimator lens for laser beam printers
- Coupling lens for optical communication systems
- Image formation lens for sensors
- Imaging device for CCD, CMOS

### ■ Explanation of Part Numbers



### ■ Ratings

Item	Ratings
Operating Temperature Range	-30 to +85 °C
Storage Temperature Range	-40 to +100 °C

■ Please contact the factory for packaging methods.

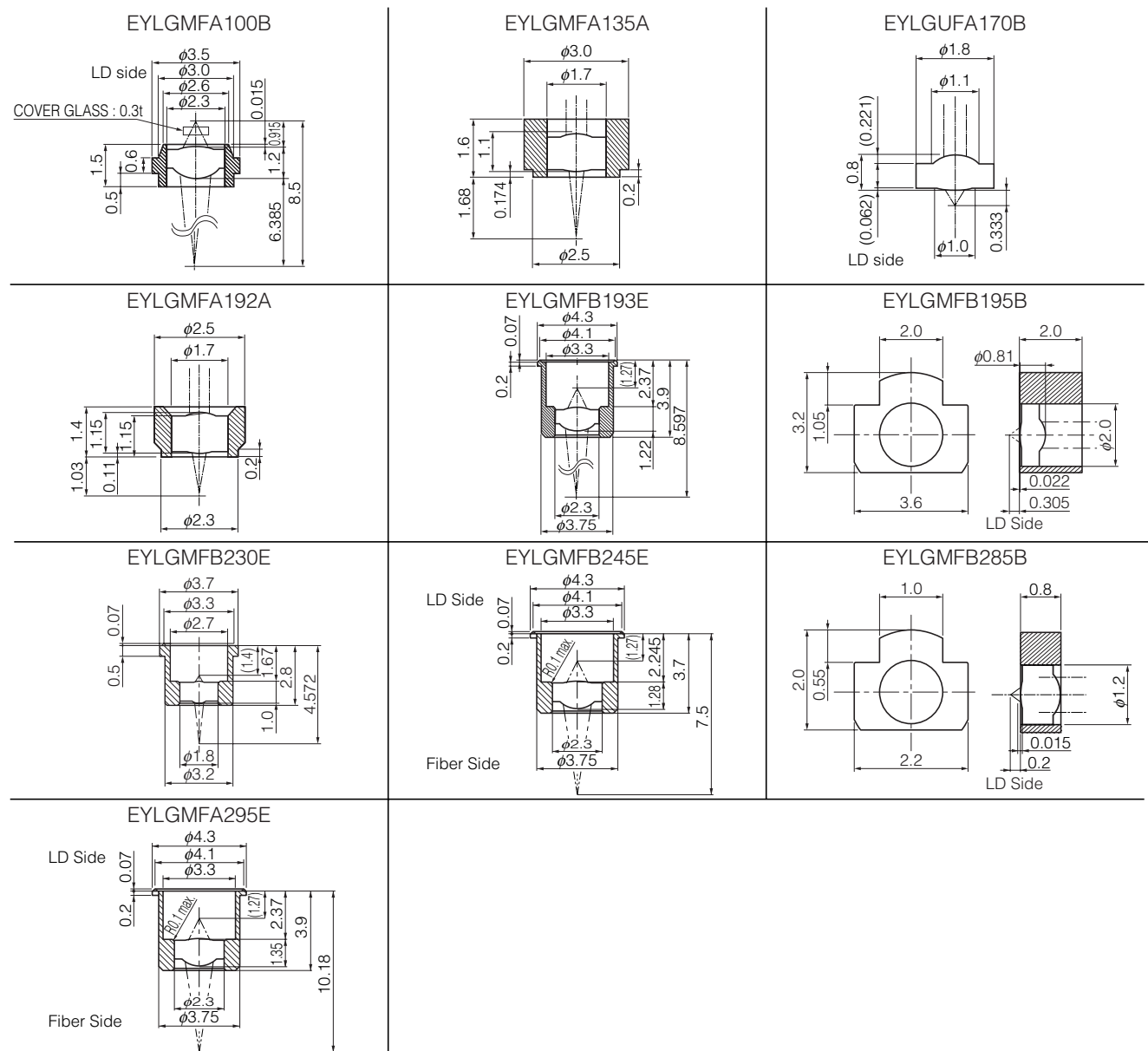
■ Specifications

● For optical communication systems

Item Part No.	Numerical Aperture (LD side)	Numerical Aperture (SMF side)	Focal Length (mm)	Distance Between LD and SMF (mm)	Wave Length (nm)	Thickness (mm)	Lens Diameter (mm)	Lens Barrel Thickness (mm)	Lens Barrel Diameter (mm)
EYLG MFA100B*	0.47	0.097	1.138	8.50	1550	1.2	2.3	1.5	3.5
EYLG MFA135A	—	0.2	2.51	∞	1550	1.1	1.7	1.7	3
EYLG UFA170B	0.6	—	0.69	∞	1550	0.8	1.8	—	—
EYLG MFA192A	—	0.3	1.81	∞	1550	1.15	1.7	1.4	2.5
EYLG MFB193E	0.4	0.125	1.25	8.597	1310	1.22	2.3	3.9	3.75
EYLG MFB195B	0.6	—	0.7	∞	1310	0.81	2.0	2.0	3.6×3.2
EYLG MFB230E	0.4	0.125	0.573	4.572	1310	1.0	1.8	2.8	3.2
EYLG MFB245E	0.4	0.16	1.13	7.5	1310	1.28	2.3	3.7	3.75
EYLG MFB285B	0.6	—	0.596	∞	1310	0.8	1.2	1.2	2.2×2.0
EYLG MFA295E	0.4	0.1	1.35	10.18	1310	1.35	2.3	3.9	3.75

\* build-to-order manufacturing

■ Dimensions in mm (not to scale)



Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.