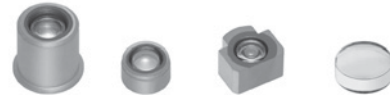


Aspherical Glass Lenses

Type: **EYLG**□□□□□□□□



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

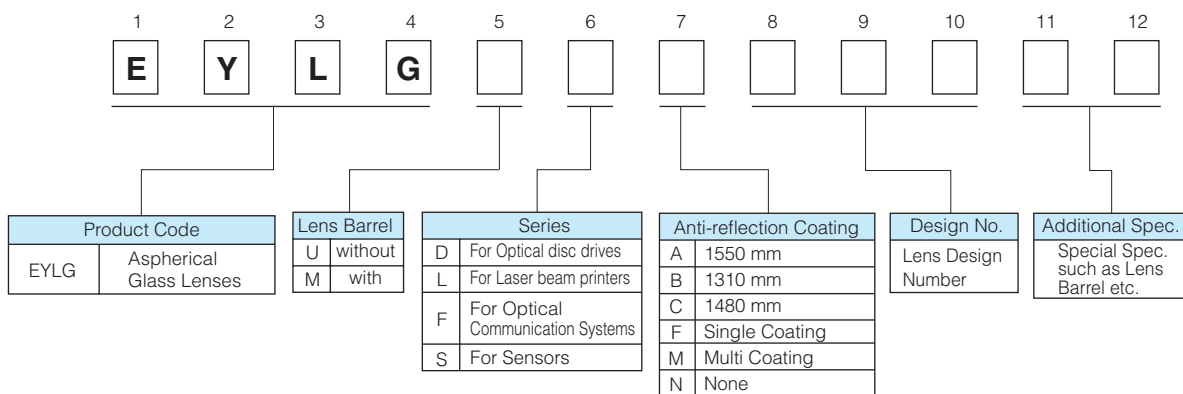
Features

- "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
- RoHS compliant

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

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

| Part No. | Item | 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) |
|-------------|------|------------------------------|-------------------------------|-------------------|----------------------------------|------------------|----------------|--------------------|----------------------------|---------------------------|
| EYLGMB100E* | | 0.47 | 0.097 | 1.138 | 8.50 | 1550 | 1.2 | 2.3 | 1.5 | 3.5 |
| EYLGMA135D | | — | 0.2 | 2.51 | ∞ | 1550 | 1.1 | 1.7 | 1.4 | 2.5 |
| EYLGMA192K | | — | 0.3 | 1.81 | ∞ | 1550 | 1.15 | 1.7 | 1.4 | 2.5 |
| EYLGMB193E | | 0.4 | 0.125 | 1.25 | 8.597 | 1310 | 1.22 | 2.3 | 3.9 | 3.75 |
| EYLGMB195B | | 0.6 | — | 0.7 | ∞ | 1310 | 0.81 | 2.0 | 2.0 | 3.6×3.2 |
| EYLGMB230E | | 0.4 | 0.125 | 0.573 | 4.572 | 1310 | 1.0 | 1.8 | 2.8 | 3.2 |
| EYLGMB245EE | | 0.4 | 0.16 | 1.13 | 7.5 | 1310 | 1.28 | 2.3 | 3.7 | 3.75 |
| EYLGMB285B | | 0.6 | — | 0.596 | ∞ | 1310 | 0.8 | 1.2 | 1.2 | 2.2×2.0 |
| EYLGMB295EE | | 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)

