

Aspherical Glass Lenses

Type: **EYLG**□□□□□□□□



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

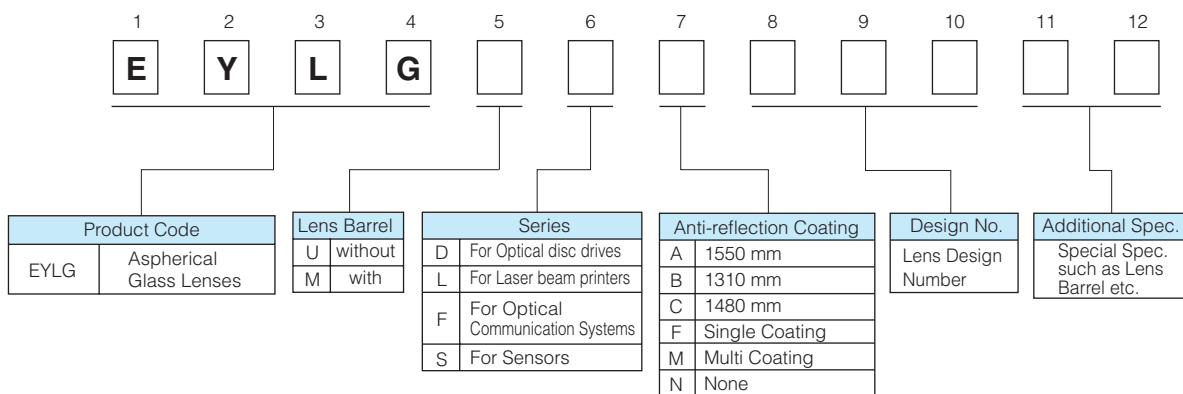
Features

- "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)

