Aspherical Glass Lenses

Type: **EYLG**☐☐☐☐☐☐☐

These products are aspherical glass lenses by using a press molding,
and key devices of optical electronics not only provide compact and light weight but also high-performance by utilizing characteristics of aspherical design.
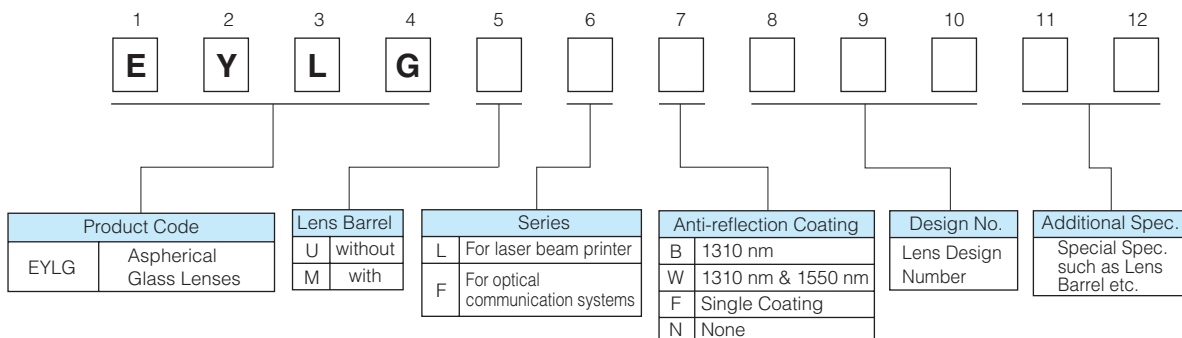
Features

- High numerical aperture achieved via aspherical design
- Short focal length for compact size
- Appropriate lenses and lens material available for many different applications
- Wide temperature and humidity range for increased reliability and stability
- High-quality processing,measurement techniques and precision manufacturing process give less variation in optical properties
- RoHS compliant

∗ We can offer custam design,sampling and mass production as requested

Recommended Applications

- Collimator lens for laser beam printers
- Coupling lens for optical communication systems
- Collimator lens for optical communication systems

Explanation of Part Numbers

1	2	3	4	5	6	7	8	9	10	11	12
E	Y	L	G								

Product Code	
EYLG	Aspherical Glass Lenses

Lens Barrel	
U	without
M	with

Series	
L	For laser beam printer
F	For optical communication systems

Anti-reflection Coating	
B	1310 nm
W	1310 nm & 1550 nm
F	Single Coating
N	None

Design No.
Lens Design Number

Additional Spec.
Special Spec. such as Lens Barrel etc.

Ratings

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

■ Please contact the factory for packaging methods.

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.
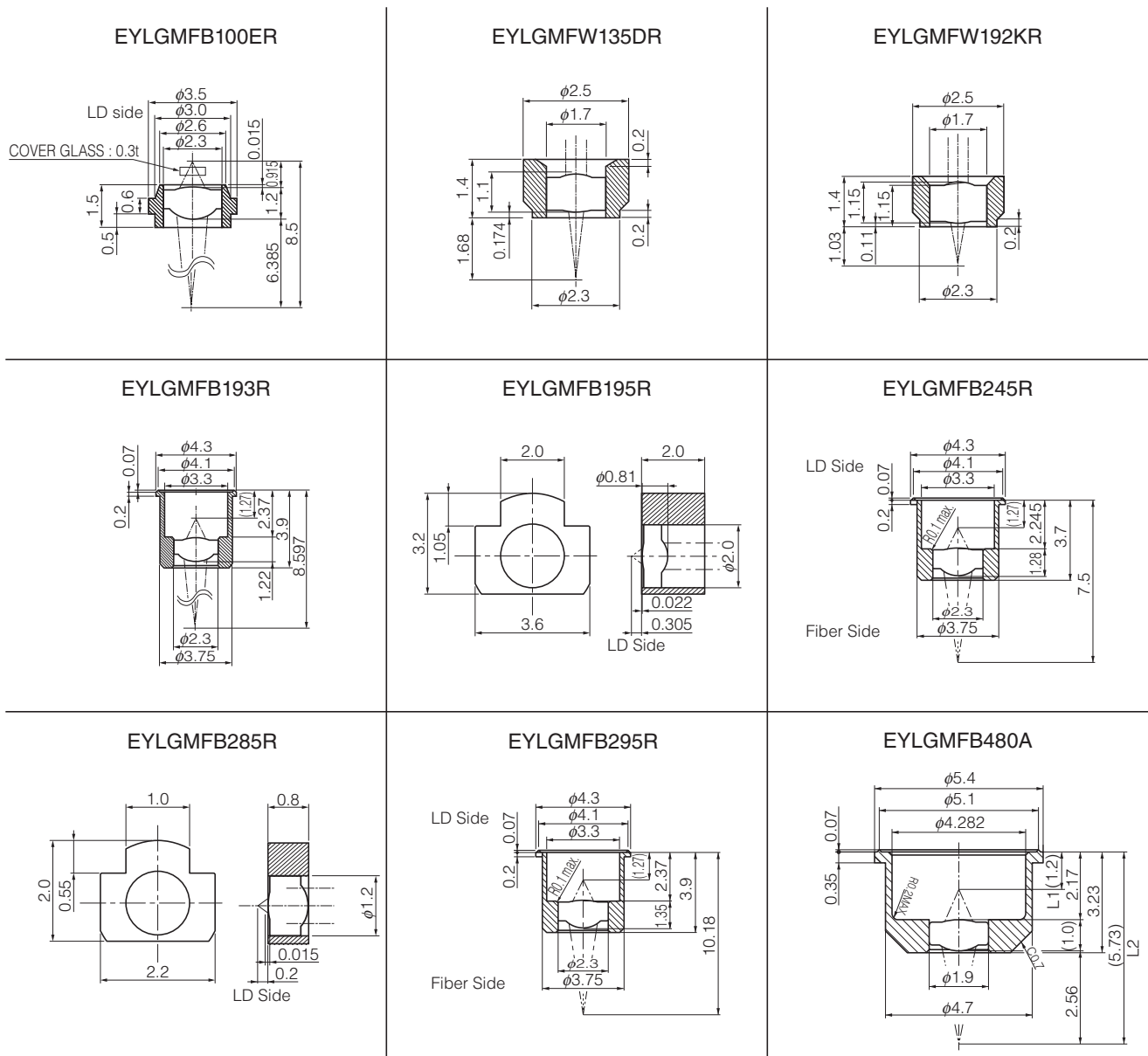
Panasonic

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Specifications

● For optical communication systems (with a barrel)

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)	Mass (Weight) (mg)
EYLGMFB100ER*	0.47	0.097	1.138	8.50	1550	1.2	2.3	1.5	3.5	340
EYLGMFW135DR	—	0.2	2.51	∞	1550	1.1	1.7	1.4	2.5	365
EYLGMFW192KR	—	0.3	1.81	∞	1550	1.15	1.7	1.4	2.5	140
EYLGMFB193R	0.4	0.125	1.25	8.597	1310	1.22	2.3	3.9	3.75	250
EYLGMFB195R	0.6	—	0.7	∞	1310	0.81	2.0	2.0	3.6×3.2	300
EYLGMFB245R	0.4	0.16	1.13	7.5	1310	1.28	2.3	3.7	3.75	250
EYLGMFB285R	0.6	—	0.596	∞	1310	0.8	1.2	1.2	2.2×2.0	230
EYLGMFB295R	0.4	0.1	1.35	10.18	1310	1.35	2.3	3.9	3.75	270
EYLGMFB480A	0.4	0.2	0.93	5.73	1310	1.0	1.9	3.27	4.7	265

✻ build-to-order manufacturing

Dimensions in mm (not to scale)

EYLGMFB100ER

EYLGMFW135DR

EYLGMFW192KR

EYLGMFB193R

EYLGMFB195R

EYLGMFB245R

EYLGMFB285R

EYLGMFB295R

EYLGMFB480A

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