

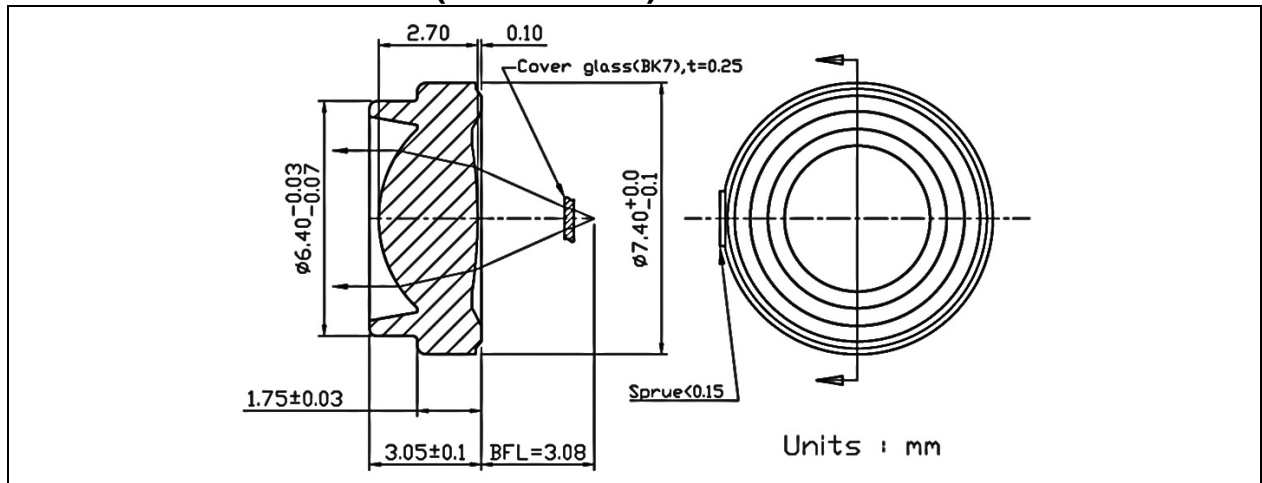
## CAY046 Laser Diode Collimator Lens (NA:0.40, EFL:4.60 mm)



### FEATURES:

- CAY046 is the most popular bi-aspheric plastic laser collimating lens which is nearly the diffraction limited.
- CAY046 is specified for use as a collimator in combination with a diode laser.
- CAY046 is designed for making a more fine dot at short distance. The focus is very close.
- AR coating: 400~900nm

### OUTLINE DIMENSIONS (UNITS: mm)



### SPECIFICATIONS

Model Number:	CAY046
Lens Material:	Acrylic
Lens Diameter:	$\phi 7.4$ mm
Edge Thickness:	3.05 mm
Clear Aperture (CA):	$\phi 3.7$ mm
Numerical Aperture (NA):	0.40
Effective Focal Length (EFL):	4.60 mm(with BK7 t=0.25mm cover glass)
Back Focal Length (BFL):	3.08 mm
Axis Wave Front Error (RMS):	0.040 $\lambda$
Field Radius:	0.1 mm
Transmittance (%):	400~900nm, >95%
Storage Temperature:	-25 to 70°C
Operating Temperature:	5 to 65°C