

# Aspheric Molded Glass Lens

Panasonic  
MATSUSHITA NITTO ELECTRIC. CO., Ltd

Aspherical Collimator Lens  
Model No. EYLGUDF129 (R1412B)  
Design Specification

	Parameter	Unit	Specification
1	Wavelength	nm	650
2	Focal Length	mm	14.150
3	Numerical Aperture		0.128
4	Design Magnification		0
5	Objective Distance	mm	$\infty$
6	Working Distance	mm	8.901
7	Cover Glass Image Side		CG 1 (n=1.51)、3.60mm CG 2 (n=1.52)、2.00mm CG 3 (n=1.49)、0.25mm
8	Surface 1 Effective Diameter	mm	$\phi 3.62$
9	Surface 2 Effective Diameter	mm	$\phi 3.36$
10	Material		PBK40 (n=1.51219)、 $\nu_d = 63.5$
11	Diameter	mm	$\phi 4.30$
12	Thickness	mm	2.50
13	Weight	mg	80.6
14	Transmittance		97%以上
15	Image Height(Field Angle)	mm	0.247 (1.0deg)
16	Wave Front Aberration	On-Axis Off-Axis	$\lambda$ RMS 0.0000 0.0081

