

Aspherical Glass Lens

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TENTATIVE SPECIFICATION

Panasonic

Collimator Lens

MATSUSHITA NITTO ELECTRIC CO., LTD.

Model No. R1424

Part Number. EYLGULF278

Design Specification Proposal

	Parameter	Unit	Specification EYLGULF278
1	Design Wavelength	nm	780
2	Focal length	mm	14.913
3	Numerical aperture		0.241
4	Magnification		0
5	Objective distance	mm	∞
6	Working distance	mm	13.236
7	Cover glass	mm	n=1.517 , 0.3mm
8	Surface1 effective diameter	mm	7.18
9	Surface2 effective diameter	mm	6.74
10	Glass Material		PBK40(n d =1.51269), ν d =63.5
11	Lens diameter	mm	8.2
12	Lens thickness	mm	2.5
13	Weight	mg	246.62
14	Transmission	%	96 (min),Single coating
15	Image height	mm	0.26
16	Wavefront aberration On-Axis Off-Axis	λ rms.	0.005 0.0319

