

Aspherical Glass Lens

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Panasonic Electronic

1. TENTATIVE SPECIFICATION Devices Nitto Co., Ltd.

Collimator Lens
Model No. S2118
Design Specification Proposal

			t=2.23
	Parameter	Unit	Specification
1	Design Wavelength	nm	785
2	Focal length	mm	21.00
3	Numerical aperture		0.179
4	Magnification		0
5	Objective distance	mm	∞
6	Working distance	mm	19.476 (Without cover glass)
7	Cover glass	mm	0.3mm n=1.5
8	Surface1 effective diameter	mm	ϕ 7.500
9	Surface2 effective diameter	mm	ϕ 7.200
10	Glass Material		PBK40 (n785=1.50868) ν d=63.5
11	Lens diameter	mm	ϕ 8.8
12	Lens thickness	mm	2.23
13	Weight	mg	258
14	Transmission	%	\geq 96
15	Image height	mm	0.367(1degree)
16	Wavefront aberration 1) On-Axis Off-Axis	λ rms	0.0000 0.0255

