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Datasheet Plastic Collimator Lens CAW100

These data concern a full plastic a-spherical lens. It is for use as a collimator in combination with a diode laser. It can be mounted by use of glue or spring-loaded. Mechanical lock-mounting is not advisable because of possible distortions.

Parameters		**Wavelength 785 nm**	**Unit**
Design conditions			
N.A.		0.195	--
Clear Aperture *CA (Exit Pupil)*		3.9	mm
Clear Aperture *CA (Entrance Pupil)*		3.4	mm
Optical parameters			
Focal Length @ 785 nm		9.85	mm
RMS mean	on axis	40	mλ
RMS max. (±3σ)	on axis	50	mλ
Optical Tolerance		0.15	mm
Field Radius		0.15	mm
Mechanical parameters			
Mounting hole diameter D_{mh}		∅ 5.20 (+ 0.1)	mm
Environmental stability			
Storage Temperature		0 to 65	°C
Operating Temperature		0 to 65	°C

General Data:	
Transmission [%]:	> 80
Lens Material:	COC

Specifications subject to change without notice.

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