

Precision plastic aspheres



The high-precision plastic aspheric lenses are designed for collimating laser diodes. These collimator lenses are used in the medium temperature range and wherever cost efficiency is necessary.

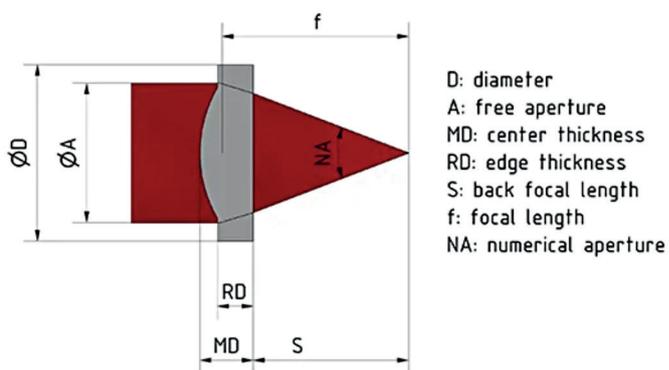
FEATURES

- Easy to install
- Focal lengths of 3.3 mm – 18.3 mm
- NA of up to 0.4

APPLICATIONS

- Laser diode modules and collimators
- Sensors
- Laser projection
- Patient positioning
- Biostimulation

TECHNICAL DATA



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TECHNICAL DATA

LENS TYPE	f (mm)	NA	S (mm)	A (mm)	D (mm)	FR (mm)	Design wavelength (nm)	Wave front deformation Lambda RMS
CAY033	3.3	0.4	1.98	2.7	7.4	0.05	670	0.065
CAY033/40	3.3	0.38	1.97	2.5	4	0.05	670	0.065
CDW042/52	4.2	0.25	3.08	2.1	5.2	0.1	670	0.05
CAY046	4.6	0.4	3.08	3.7	7.4	0.1	670	0.04
CAY046/55	4.6	0.37	2.98	3.4	5.5	0.1	670	0.04
CAW100	9.85	0.195		3.9	5.2	0.15	785	0.05
CAX100	10	0.2	8.48	4.1	6.28	0.2	670	0.08
CAX183	18.15	0.12	16.3	4.3	6.28	0.3	670	0.035

Subject to technical modifications. As per October 2024.

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challenge

