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Available in:
✔ Production Quantities

Spherical Ball Lenses

Melles Griot spherical ball lenses are ideal for fiber-to fiber and diode-laser-to-fiber coupling. See Chapter 15, *Diode Laser Optics*, for more details. Ball lens holders can be found in Chapter 20, *MicroLab™ Component Holders.*

- Ball lenses are easier to align than thin lenses and have greater coupling efficiency
- Lenses are available uncoated or with MgF_2 coating

SPECIFICATIONS: SPHERICAL BALL LENSES

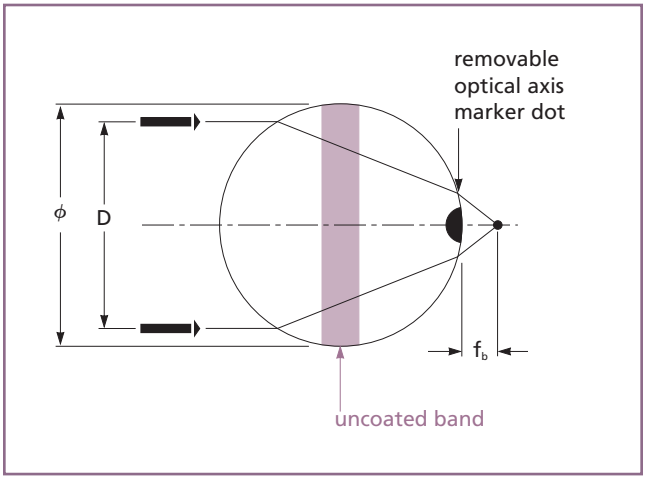
Design Wavelength: 830 nm

Material: LaSFN9

Sphericity: <λ/4 at 632.8 nm

Diameter: $\phi \pm 1\ \mu m$

Coating: <0.25% reflectance at specified wavelength



Spherical ball lenses

Spherical Ball Lenses

Antireflection Coating (λ)	ϕ (mm)	f_λ (mm)	f_b (mm)	f/#	D (mm)	PRODUCT NUMBER
Uncoated	2.0	1.10	0.10	0.69	1.60	06 LMS 002
	3.0	1.65	0.15	0.69	2.40	06 LMS 003
	5.0	2.75	0.25	0.69	4.00	06 LMS 005
632.8 nm	2.0	1.09	0.09	0.68	1.60	06 LMS 102
	3.0	1.64	0.14	0.68	2.40	06 LMS 103
	5.0	2.73	0.23	0.68	4.00	06 LMS 105
830 nm	2.0	1.10	0.10	0.69	1.60	06 LMS 202
	3.0	1.65	0.15	0.69	2.40	06 LMS 203
	5.0	2.75	0.25	0.69	4.00	06 LMS 205
1300 nm	2.0	1.11	ϕ0.11	0.69	1.60	06 LMS 302
	3.0	1.67	ϕ0.17	0.69	2.40	06 LMS 303
	5.0	2.78	0.28	0.69	4.00	06 LMS 305
1550 nm	2.0	1.11	0.11	0.70	1.60	06 LMS 402
	3.0	1.67	0.17	0.70	2.40	06 LMS 403
	5.0	2.79	0.29	0.70	4.00	06 LMS 405

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