

Aspherical Glass Lens

Holder-Integrated Glass Lenses

■ For Coupling

Series		Numerical aperture (NA)		Magnification	f (mm)	OI (Df)	Dimensions(mm)	
		LD side	Fiber side			(mm)	Height	Outer diameter
FLAA1		0.40	0.10	4.0	1.37	9.00	1.6	φ3
FLKNA		0.65	0.20	3.3	1.89	10.88	2.92	φ5.6

■ For Collimators

Series		Numerical aperture (NA)		Focal length	Dimensions(mm)	
		LD side	Fiber side	(mm)	Height	Outer diameter
FLAE1		—	0.20	2.50	1.6	φ3
FLAG1		—	0.17	4.00	1.6	φ3
FLAM1		0.60	—	0.70	1.03	φ2.5
FLAN1		—	0.30	1.80	1.6	φ3
FLAN9		—	0.30	1.80	1.6	φ2.5
FLAQ0		—	0.17	2.47	1.4	φ1.8
FLAS0		—	0.30	1.12	1.4	φ1.8
FLASB		—	0.30	1.12	1.0	φ1.8
FLBM1(凸)		0.60	—	0.70	2.03	3.6×3.2
FLBU1		—	0.22	3.00	1.6	φ3
FLKU1		0.40	—	1.85	2.0	φ4

■ TO Can Type for Coupling

Series		Numerical aperture (NA)		Magnification	Focal length	Df	Dimensions (mm)		
		LD/PD side	Fiber side		(mm)	(mm)	Height	Outer diameter F	Outer diameter B
FLBAH		0.40	0.14	2.8	1.11	7.51	3.97	φ4.3	φ3.75
FLBAU		0.40	0.14	2.8	1.09	7.50	3.97	φ4.3	φ3.75
FLBBC		0.40	0.13	3.2	1.26	8.67	3.97	φ4.3	φ3.75
FLBCS		0.40	0.10	4.0	1.35	10.18	3.97	φ4.3	φ3.75
FLBEC		0.60	0.10	6.0	1.01	9.88	3.5	φ4.3	φ3.75
FLBEM		0.60	0.12	5.0	0.84	8.50	5.0	φ5.4	φ5
FLBH8		0.50	0.13	4.0	0.96	7.51	3.97	φ4.3	φ3.75
FLBHH		0.50	0.13	4.0	0.96	7.86	3.97	φ4.3	φ3.75
FLBTE		0.50	0.16	3.1	0.43	3.50	2.0	φ3.6	φ3.2
FLBT8		0.50	0.14	3.5	0.51	4.39	2.39	φ3.6	φ3.2
FLBTA		0.50	0.13	4.0	0.49	4.25	2.0	φ3.6	φ3.2
FLDPC		0.33	0.16	0.5	0.92	5.73	3.15	φ5.4	φ4.7
FLDKB		0.60	0.13	4.8	1.28	12.12	5.95	φ5.45	φ5
FLDKK		0.60	0.13	4.5	1.28	10.45	5.0	φ5.45	φ5

※ Supported wavelengths are 1310 - 1550nm. Compatibility with other wavelengths can be achieved as an option. Please ask an Alps Alpine sales representative.

Aspherical Glass Lens

All-Glass Lenses (Cylinder Type)

For Coupling

Series		Numerical aperture (NA)		Magnification	Focal length	OI	Dimensions (mm)	
		LD side	Fiber side		(mm)	(mm)	Lens thickness	Outer diameter
FLGD1		0.50	0.10	5	0.55	4.0	0.8	φ 1

For Collimators

Series		Numerical aperture (NA)		Focal length	Dimensions (mm)	
		LD side	Fiber side	(mm)	Lens thickness	Outer diameter
FLGA2		—	0.20	2.10	0.94	φ 1.8
FLGF1		0.60	—	0.50	0.8	φ 1
FLGG1		—	0.17	1.99	0.65	φ 1

All-Glass Lenses (Square Type)

For Coupling

Series		Numerical aperture (NA)		Magnification	Focal length	OI	Dimensions (mm)		
		LD side	Fiber side		(mm)	(mm)	Lens thickness	Height	Width
FLGS1		0.50	0.10	5	0.55	3.97	0.8	1.0	1.0
FLGS3		0.65	0.13	5	0.53	3.97	0.8	1.0	1.0
FLGS4		0.50	0.10	5	0.44	3.25	0.72	1.0	0.6
FLGS5		0.50	0.10	5	0.55	3.97	0.8	1.0	1.0
FLWK9		0.42	0.17	2.5	0.7	3.40	0.8	1.0	1.0
FLGSD		0.43	0.108	4	0.572	4.0	0.54	1.0	1.0
FLGSK		0.43	0.108	4	0.572	4.0	0.54	1.0	0.67

For Collimators

Series		Numerical aperture (NA)		Focal length	Dimensions (mm)		
		LD side	Fiber side	(mm)	Lens thickness	Height	Width
FLGP1		0.60	—	0.50	0.82	1.0	1.0
FLGP3		0.75	—	0.50	0.79	1.0	1.0
FLGP4		0.72	—	0.50	0.79	0.94	0.94
FLGP7		0.50	—	0.50	0.72	1.0	0.7
FLGQ1		0.60	—	0.70	0.84	1.0	1.0
FLGQ6		0.70	—	0.45	0.75	1.0	1.0
FLGQ9		0.50	—	0.45	0.73	1.0	0.6
FLGU1		—	0.17	1.99	0.72	1.0	1.0
FLGU4		—	0.12	2.00	0.67	1.0	0.6
FLGUD		—	0.16	1.50	0.69	1.0	0.6
FLWQR		0.60	—	0.45	0.8	1.5	0.6
FLWQB		0.50	—	0.50	0.53	1.0	0.6

Lens Array Type

Series		Numerical aperture (NA)		Focal length	Lens pitch	Mirror angle	Dimensions (mm)		
		PD side	Fiber side	(mm)	(mm)		Thickness	Height	Width
FLHB2		0.176	—	1.7	0.75	—	0.71	1.44	3.05
FLHBN		0.4	—	0.75	0.75	—	0.5	1.44	3.25
FLHL2		0.2	—	1.5	0.75	47.5°	1.3	1.3	3.5

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