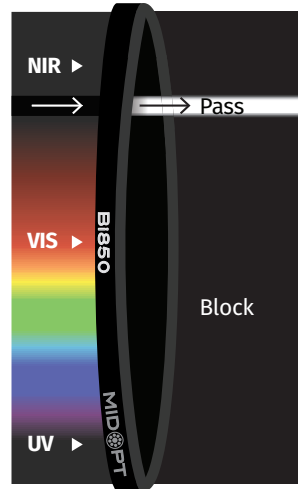
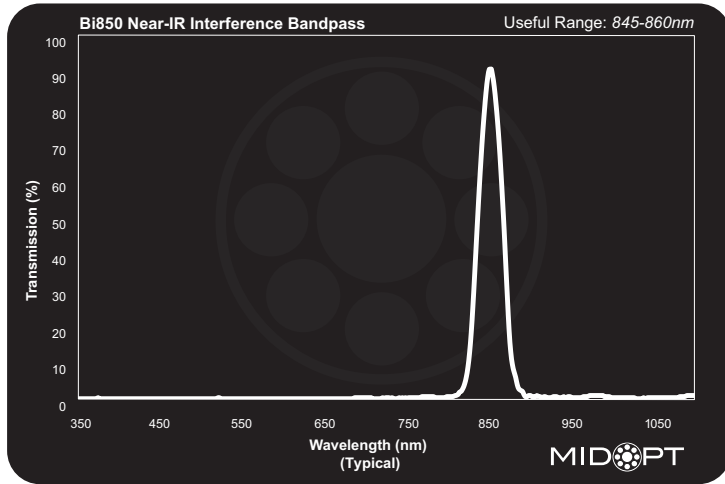


Bi850 NEAR-IR INTERFERENCE BANDPASS

WWW.MIDOPT.COM
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Useful Range: 845-860nm

FWHM: 33nm

Peak Transmission: ≥88%

Surface Quality: 40/20

FILTER MOUNT & SIZE OPTIONS

Threaded Mount



For lenses with filter threads; Mount Sizes M13.25 - M82

Part #	Thread Dia x Pitch	Part #	Thread Dia x Pitch
Bi850-13.25	M13.25 x P0.5	Bi850-43	M43 x P0.75
Bi850-22.5	M22.5 x P0.5	Bi850-46	M46 x P0.75
Bi850-25.4	M25.4 x P32TPI	Bi850-48	M48 x P0.75
Bi850-25.5	M25.5 x P0.5	Bi850-49	M49 x P0.75
Bi850-27	M27 x P0.5	Bi850-52	M52 x P0.75
Bi850-30.5	M30.5 x P0.5	Bi850-55	M55 x P0.75
Bi850-34	M34 x P0.5	Bi850-58	M58 x P0.75
Bi850-35.5	M35.5 x P0.5	Bi850-62	M62 x P0.75
Bi850-37	M37 x P0.75	Bi850-67	M67 x P0.75
Bi850-37.5	M37.5 x P0.5	Bi850-72	M72 x P0.75
Bi850-39	M39 x P0.5	Bi850-77	M77 x P0.75
Bi850-40.5	M40.5 x P0.5	Bi850-82	M82 x P0.75

25.4™ C-Mount



Threads between lens and sensor

Part #: Bi850-25.4

Slip Mount



- Designed for lenses without filter threads, varifocal and wide-angle lenses
- Includes locking set screws to secure adapter to lens

Create Part #

Use "S" and add the outside diameter of lens in mm (ex: 43mm)

Example: Bi850-S43

Unmounted

Custom shapes & sizes available

Create Part #

CIRCLE: Use "D" and add diameter in mm (ex: 19mm)

Example: Bi850-D19

RECTANGLE: Use "R" and add length in mm (ex: 30mm) x width in mm (ex: 15mm)

Example: Bi850-R30x15

SQUARE: Use "R" and add side measurement in mm (ex: 15mm)

Example: Bi850-R15

Bi850 DATA POINTS (TYPICAL)

Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)
1100	0.95	910	0.72	720	0.15	530	0.06
1090	0.74	900	0.83	710	0.12	520	0.16
1080	0.44	890	2.19	700	0.20	510	0.06
1070	0.34	880	7.47	690	0.20	500	0.12
1060	0.22	870	36.95	680	0.10	490	0.03
1050	0.24	860	76.36	670	0.09	480	0.07
1040	0.12	850	90.84	660	0.05	470	0.04
1030	0.10	840	66.51	650	0.06	460	0.06
1020	0.21	830	25.41	640	0.12	450	0.04
1010	0.17	820	4.11	630	0.12	440	0.07
1000	0.30	810	1.02	620	0.06	430	-0.01
990	0.67	800	0.49	610	0.01	420	0.04
980	0.90	790	0.41	600	0.03	410	0.07
970	0.54	780	0.47	590	0.02	400	0.03
960	0.32	770	0.50	580	0.06	390	0.04
950	0.35	760	0.29	570	0.01	380	-0.02
940	0.45	750	0.14	560	0.02	370	0.14
930	0.47	740	0.17	550	0.08	360	0.04
920	0.38	730	0.14	540	0.12	350	0.06

*Due to continuous product improvement, specifications are subject to change without notice. For the most up-to-date information visit www.midopt.com