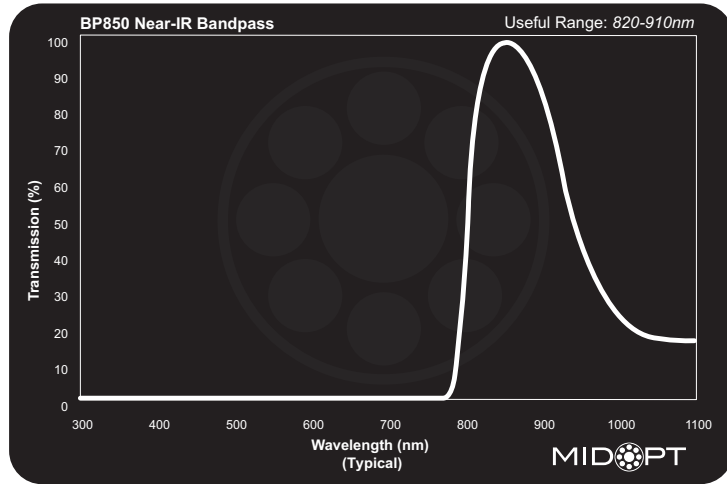
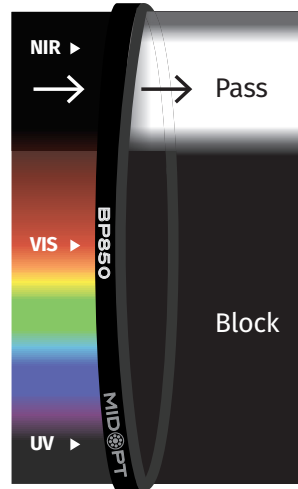


BP850 NEAR-IR BANDPASS

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Recommended when using high-power 830-850nm LED or laser diode lighting to improve contrast in surveillance applications or when inspecting in the infrared, this filter features high peak transmission and particularly durable, robust coatings. This filter's coated surface also greatly inhibits staining due to year-round issues with heat, humidity, and/or air quality that affect uncoated infrared filters.



Useful Range: 820-910nm

FWHM: 160nm

Peak Transmission: ≥90%

Surface Quality: 40/20

Compatible LED: 840nm, 850nm

StableEDGE™

FILTER MOUNT & SIZE OPTIONS

Threaded Mount



For lenses with filter threads; Mount Sizes M13.25 - M105

Part #	Thread Dia x Pitch	Part #	Thread Dia x Pitch
BP850-13.25	M13.25 x P0.5	BP850-46	M46 x P0.75
BP850-22.5	M22.5 x P0.5	BP850-48	M48 x P0.75
BP850-25.4	M25.4 x P32TPI	BP850-49	M49 x P0.75
BP850-25.5	M25.5 x P0.5	BP850-52	M52 x P0.75
BP850-27	M27 x P0.5	BP850-55	M55 x P0.75
BP850-30.5	M30.5 x P0.5	BP850-58	M58 x P0.75
BP850-34	M34 x P0.5	BP850-62	M62 x P0.75
BP850-35.5	M35.5 x P0.5	BP850-67	M67 x P0.75
BP850-37	M37 x P0.75	BP850-72	M72 x P0.75
BP850-37.5	M37.5 x P0.5	BP850-77	M77 x P0.75
BP850-39	M39 x P0.5	BP850-82	M82 x P0.75
BP850-40.5	M40.5 x P0.5	BP850-86	M86 x P1.0
BP850-43	M43 x P0.75	BP850-95	M95 x P1.0
		BP850-105	M105 x P1.0

25.4™ C-Mount



Threads between lens and sensor

Part #: BP850-25.4

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: BP850-S43

Unmounted

Custom shapes & sizes available

Create Part

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

Example: BP850-D19

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

Example: BP850-R30x15

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

Example: BP850-R15

BP850 DATA POINTS (TYPICAL)

Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)
1100	16.06	910	83.97	720	0.00	530	0.00
1090	16.47	900	87.80	710	0.00	520	0.00
1080	17.09	890	91.42	700	0.00	510	0.00
1070	17.88	880	90.45	690	0.00	500	0.00
1060	18.87	870	92.40	680	0.00	490	0.01
1050	20.09	860	93.00	670	0.00	480	0.00
1040	21.60	850	91.77	660	0.00	470	0.00
1030	23.48	840	90.11	650	0.00	460	0.01
1020	25.83	830	85.85	640	0.00	450	0.00
1010	28.54	820	76.94	630	0.00	440	0.01
1000	31.82	810	59.25	620	0.00	430	0.00
990	35.64	800	33.88	610	0.00	420	0.00
980	40.13	790	12.29	600	0.00	410	0.00
970	45.33	780	2.79	590	0.00	400	0.01
960	51.12	770	0.48	580	0.00	390	0.00
950	56.99	760	0.05	570	0.00	380	0.00
940	64.86	750	0.01	560	0.00	370	0.00
930	71.77	740	0.00	550	0.00	360	0.00
920	77.89	730	0.00	540	0.00	350	0.00

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