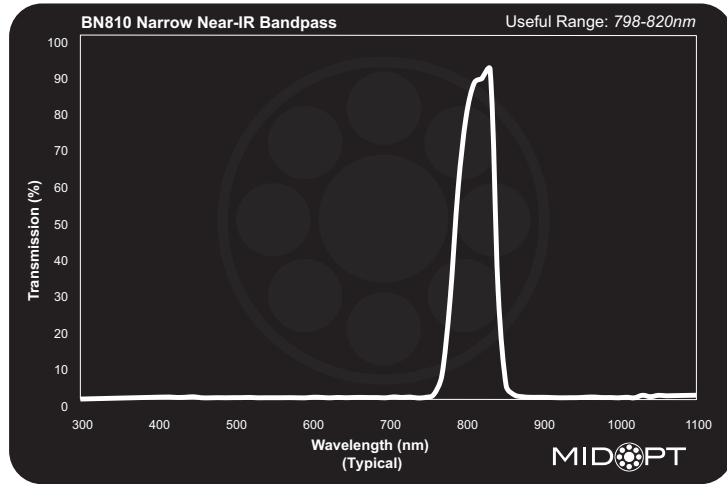
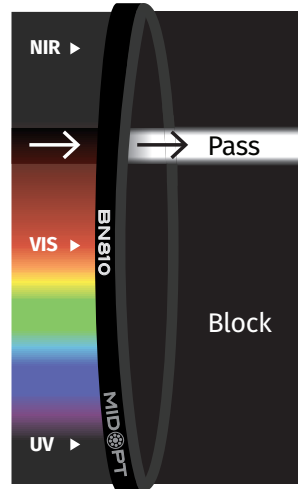


BN810 NARROW NEAR-IR BANDPASS

WWW.MIDOPT.COM
INFO@MIDOPT.COM



A BN810 filter is designed for 810nm laser diode illumination. The narrow band design is ideal when there are overpowering ambient light conditions. It is used in security, traffic control and Industrial Inspection applications.



Useful Range: 798-820nm

FWHM: 50nm

Peak Transmission: ≥85%

Surface Quality: 40/20

StableEDGE™

BN810 DATA POINTS (TYPICAL)

Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)
1100	0.62	910	0.00	720	0.00	530	0.00
1090	0.25	900	0.00	710	0.00	520	0.00
1080	0.09	890	0.00	700	0.00	510	0.00
1070	0.04	880	0.00	690	0.00	500	0.00
1060	0.02	870	0.03	680	0.00	490	0.00
1050	0.02	860	0.10	670	0.00	480	0.00
1040	0.00	850	0.53	660	0.00	470	0.00
1030	0.01	840	3.91	650	0.00	460	0.00
1020	0.00	830	37.23	640	0.00	450	0.00
1010	0.00	820	89.65	630	0.01	440	0.00
1000	0.00	810	90.00	620	0.00	430	0.00
990	0.00	800	87.19	610	0.00	420	0.00
980	0.00	790	75.55	600	0.00	410	0.00
970	0.00	780	52.74	590	0.00	400	0.00
960	0.00	770	24.6	580	0.00	390	0.00
950	0.00	760	5.02	570	0.00	380	0.00
940	0.00	750	0.46	560	0.00	370	0.00
930	0.00	740	0.02	550	0.00	360	0.00
920	0.00	730	0.00	540	0.00	350	0.01

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

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
BN810-13.25	M13.25 x P0.5	BN810-46	M46 x P0.75
BN810-22.5	M22.5 x P0.5	BN810-48	M48 x P0.75
BN810-25.4	M25.4 x P32TPI	BN810-49	M49 x P0.75
BN810-25.5	M25.5 x P0.5	BN810-52	M52 x P0.75
BN810-27	M27 x P0.5	BN810-55	M55 x P0.75
BN810-30.5	M30.5 x P0.5	BN810-58	M58 x P0.75
BN810-34	M34 x P0.5	BN810-62	M62 x P0.75
BN810-35.5	M35.5 x P0.5	BN810-67	M67 x P0.75
BN810-37	M37 x P0.75	BN810-72	M72 x P0.75
BN810-37.5	M37.5 x P0.5	BN810-77	M77 x P0.75
BN810-39	M39 x P0.5	BN810-82	M82 x P0.75
BN810-40.5	M40.5 x P0.5	BN810-86	M86 x P1.0
BN810-43	M43 x P0.75	BN810-95	M95 x P1.0
		BN810-105	M105 x P1.0

25.4™ C-Mount



Threads between lens and sensor

Part #: BN810-25.4

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: BN810-S43

Unmounted

Custom shapes & sizes available

Create Part #

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

Example: BN810-D19

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

Example: BN810-R30x15

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

Example: BN810-R15