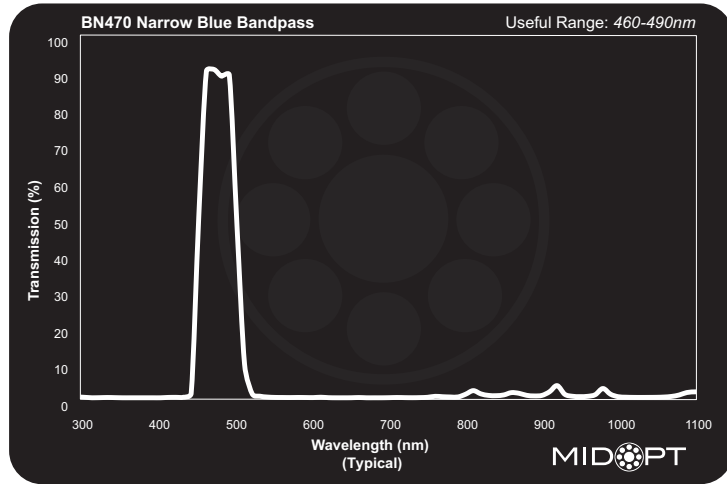
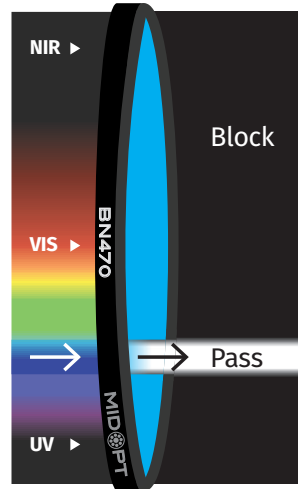


BN470 NARROW BLUE BANDPASS

WWW.MIDOPT.COM
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Commonly used in fluorescence applications, a BN470 filter is suitable for use in LED or laser diode applications with higher than normal ambient lighting conditions and is less sensitive to angle of incidence variations than traditional interference filters.



Useful Range: 460-490nm
FWHM: 45nm
Peak Transmission: ≥85%
Surface Quality: 40/20
Compatible LED: 450nm, 465nm, 470nm

StableEDGE™

BN470 DATA POINTS (TYPICAL)

Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)
1100	0.78	910	3.09	720	0.22	530	0.58
1090	0.85	900	4.89	710	0.23	520	1.66
1080	0.96	890	1.71	700	0.28	510	8.68
1070	0.96	880	1.13	690	0.08	500	50.89
1060	0.76	870	0.67	680	0.02	490	88.09
1050	0.47	860	1.27	670	0.02	480	82.60
1040	0.26	850	2.00	660	0.04	470	88.99
1030	0.17	840	1.04	650	0.05	460	86.07
1020	0.12	830	0.56	640	0.01	450	70.23
1010	0.11	820	0.54	630	0.00	440	23.30
1000	0.12	810	0.93	620	0.00	430	0.47
990	0.16	800	1.98	610	0.00	420	0.02
980	0.32	790	1.77	600	0.00	410	0.02
970	0.73	780	1.16	590	0.02	400	0.02
960	1.20	770	1.24	580	0.08	390	0.02
950	1.12	760	2.38	570	0.08	380	0.02
940	0.62	750	4.27	560	0.16	370	0.02
930	0.59	740	1.72	550	0.18	360	0.02
920	1.00	730	0.45	540	0.37	350	0.02

*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
BN470-13.25	M13.25 x P0.5	BN470-46	M46 x P0.75
BN470-22.5	M22.5 x P0.5	BN470-48	M48 x P0.75
BN470-25.4	M25.4 x P32TPI	BN470-49	M49 x P0.75
BN470-25.5	M25.5 x P0.5	BN470-52	M52 x P0.75
BN470-27	M27 x P0.5	BN470-55	M55 x P0.75
BN470-30.5	M30.5 x P0.5	BN470-58	M58 x P0.75
BN470-34	M34 x P0.5	BN470-62	M62 x P0.75
BN470-35.5	M35.5 x P0.5	BN470-67	M67 x P0.75
BN470-37	M37 x P0.75	BN470-72	M72 x P0.75
BN470-37.5	M37.5 x P0.5	BN470-77	M77 x P0.75
BN470-39	M39 x P0.5	BN470-82	M82 x P0.75
BN470-40.5	M40.5 x P0.5	BN470-86	M86 x P1.0
BN470-43	M43 x P0.75	BN470-95	M95 x P1.0
		BN470-105	M105 x P1.0

25.4™ C-Mount



Threads between lens and sensor

Part #: BN470-25.4

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: BN470-S43

Unmounted

Custom shapes & sizes available

Create Part

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

Example: BN470-D19

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

Example: BN470-R30x15

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

Example: BN470-R15