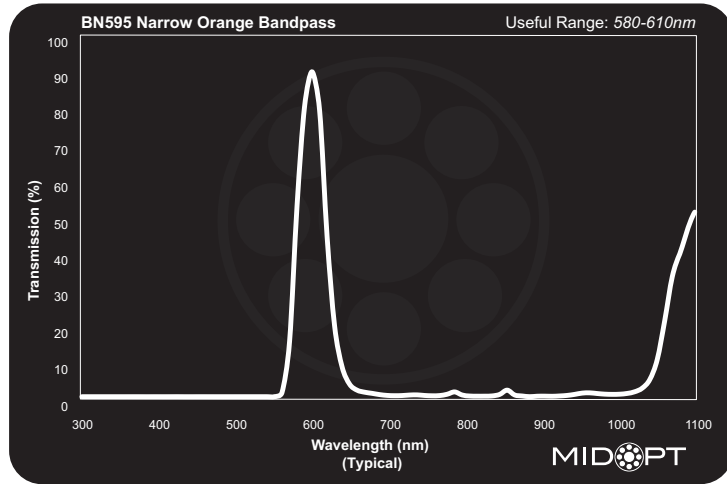
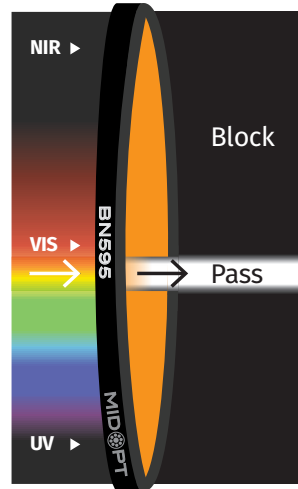


# BN595 NARROW ORANGE BANDPASS

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Commonly used in fluorescence applications, BN595 filters are suitable for use with laser diode and LED illumination when strong ambient lighting is a problem.



Useful Range: 580-610nm

FWHM: 45nm

Peak Transmission: ≥85%

Surface Quality: 40/20

Compatible LED: 590nm

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
BN595-13.25	M13.25 x P0.5	BN595-46	M46 x P0.75
BN595-22.5	M22.5 x P0.5	BN595-48	M48 x P0.75
BN595-25.4	M25.4 x P32TPI	BN595-49	M49 x P0.75
BN595-25.5	M25.5 x P0.5	BN595-52	M52 x P0.75
BN595-27	M27 x P0.5	BN595-55	M55 x P0.75
BN595-30.5	M30.5 x P0.5	BN595-58	M58 x P0.75
BN595-34	M34 x P0.5	BN595-62	M62 x P0.75
BN595-35.5	M35.5 x P0.5	BN595-67	M67 x P0.75
BN595-37	M37 x P0.75	BN595-72	M72 x P0.75
BN595-37.5	M37.5 x P0.5	BN595-77	M77 x P0.75
BN595-39	M39 x P0.5	BN595-82	M82 x P0.75
BN595-40.5	M40.5 x P0.5	BN595-86	M86 x P1.0
BN595-43	M43 x P0.75	BN595-95	M95 x P1.0
		BN595-105	M105 x P1.0

### 25.4™ C-Mount



Threads between lens and sensor

Part #: BN595-25.4

### 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: BN595-S43

### Unmounted

Custom shapes & sizes available

#### Create Part #

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

Example: BN595-D19

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

Example: BN595-R30x15

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

Example: BN595-R15

## BN595 DATA POINTS (TYPICAL)

Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)
1100	50.45	910	0.06	720	0.29	530	0.74
1090	44.98	900	0.07	710	0.24	520	1.05
1080	34.49	890	0.13	700	0.28	510	1.44
1070	21.04	880	0.47	690	0.44	500	1.10
1060	10.39	870	1.02	680	0.70	490	0.32
1050	4.78	860	0.42	670	0.92	480	0.04
1040	2.37	850	0.21	660	1.19	470	0.02
1030	1.35	840	0.09	650	2.16	460	0.01
1020	0.90	830	0.07	640	4.95	450	0.01
1010	0.71	820	0.06	630	12.44	440	0.01
1000	0.66	810	0.09	620	33.85	430	0.01
990	0.72	800	0.20	610	76.07	420	0.01
980	0.87	790	0.82	600	96.24	410	0.01
970	0.95	780	0.80	590	94.41	400	0.00
960	0.81	770	0.29	580	83.22	390	0.00
950	0.59	760	0.19	570	50.74	380	0.00
940	0.54	750	0.21	560	13.85	370	0.00
930	0.12	740	0.32	550	1.85	360	0.00
920	0.07	730	0.39	540	0.63	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](http://www.midopt.com)