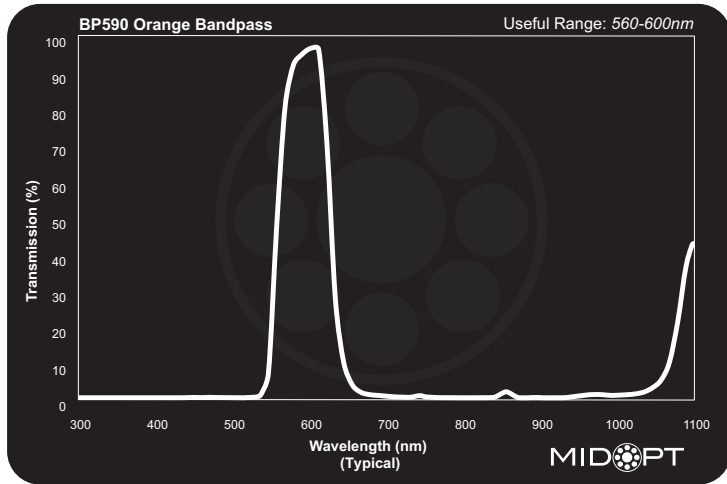


# BP590 ORANGE BANDPASS

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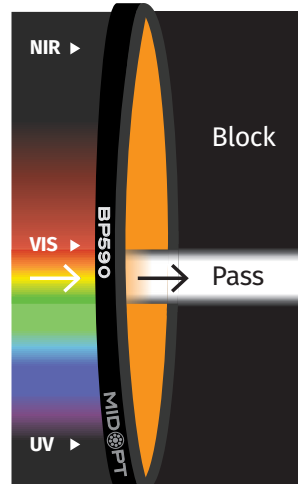


BP590 filters are recommended for use in systems that make use of amber or orange LED lighting. These filters are also widely used in fluorescence imaging applications, particularly with dyes such as ethidium bromide, or when working with Qdot 565, 585 or 605.

## BP590 DATA POINTS (TYPICAL)

Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)
1100	43.84	910	0.51	720	0.39	530	0.14
1090	37.47	900	0.31	710	0.28	520	0.02
1080	33.24	890	0.18	700	0.25	510	0.01
1070	28.64	880	0.13	690	0.29	500	0.01
1060	20.97	870	0.21	680	0.43	490	0.00
1050	12.33	860	0.42	670	0.61	480	0.00
1040	6.11	850	1.54	660	0.78	470	0.00
1030	2.91	840	0.88	650	1.20	460	0.00
1020	1.53	830	0.27	640	2.30	450	0.00
1010	0.96	820	0.16	630	4.93	440	0.00
1000	0.69	810	0.15	620	11.24	430	0.00
990	0.58	800	0.22	610	30.62	420	0.00
980	0.57	790	0.51	600	73.47	410	0.00
970	0.67	780	0.87	590	95.04	400	0.00
960	0.84	770	0.46	580	95.13	390	0.01
950	0.94	760	0.23	570	92.64	380	0.00
940	0.97	750	0.19	560	82.46	370	0.00
930	0.92	740	0.25	550	46.42	360	0.00
920	0.74	730	0.38	540	6.49	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](http://www.midopt.com)



Useful Range: 560-600nm

FWHM: 70nm

Peak Transmission: ≥90%

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
BP590-13.25	M13.25 x P0.5	BP590-46	M46 x P0.75
BP590-22.5	M22.5 x P0.5	BP590-48	M48 x P0.75
BP590-25.4	M25.4 x P32TPI	BP590-49	M49 x P0.75
BP590-25.5	M25.5 x P0.5	BP590-52	M52 x P0.75
BP590-27	M27 x P0.5	BP590-55	M55 x P0.75
BP590-30.5	M30.5 x P0.5	BP590-58	M58 x P0.75
BP590-34	M34 x P0.5	BP590-62	M62 x P0.75
BP590-35.5	M35.5 x P0.5	BP590-67	M67 x P0.75
BP590-37	M37 x P0.75	BP590-72	M72 x P0.75
BP590-37.5	M37.5 x P0.5	BP590-77	M77 x P0.75
BP590-39	M39 x P0.5	BP590-82	M82 x P0.75
BP590-40.5	M40.5 x P0.5	BP590-86	M86 x P1.0
BP590-43	M43 x P0.75	BP590-95	M95 x P1.0
		BP590-105	M105 x P1.0

### 25.4™ C-Mount



Threads between lens and sensor

Part #: BP590-25.4

### 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: BP590-S43

### Unmounted

Custom shapes & sizes available

Create Part #

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

Example: BP590-D19

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

Example: BP590-R30x15

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

Example: BP590-R15