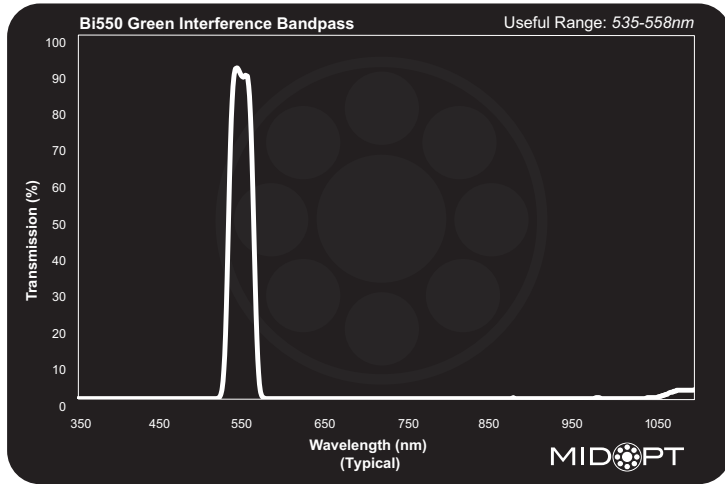
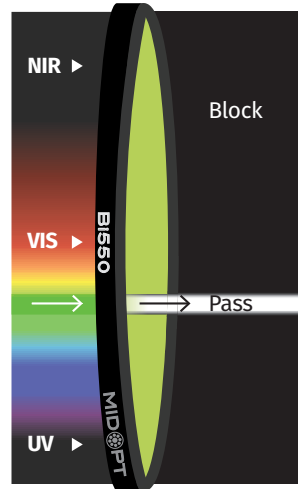


# Bi550 GREEN INTERFERENCE BANDPASS

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Bi550 filters are designed to block unwanted ambient light when imaging subjects illuminated with 550nm green LEDs. They are also used to isolate the green vegetation signal used to arrive at EVI (Enhanced Vegetation Index) and other similar plant health numerical indices.



Useful Range: 535-558nm

FWHM: 33nm

Peak Transmission: ≥88%

Surface Quality: 40/20

## FILTER MOUNT & SIZE OPTIONS

### Threaded Mount



For lenses with filter threads; Mount Sizes M13.25 - M82

Part #	Thread Dia x Pitch	Part #	Thread Dia x Pitch
Bi550-13.25	M13.25 x P0.5	Bi550-43	M43 x P0.75
Bi550-22.5	M22.5 x P0.5	Bi550-46	M46 x P0.75
Bi550-25.4	M25.4 x P32TPI	Bi550-48	M48 x P0.75
Bi550-25.5	M25.5 x P0.5	Bi550-49	M49 x P0.75
Bi550-27	M27 x P0.5	Bi550-52	M52 x P0.75
Bi550-30.5	M30.5 x P0.5	Bi550-55	M55 x P0.75
Bi550-34	M34 x P0.5	Bi550-58	M58 x P0.75
Bi550-35.5	M35.5 x P0.5	Bi550-62	M62 x P0.75
Bi550-37	M37 x P0.75	Bi550-67	M67 x P0.75
Bi550-37.5	M37.5 x P0.5	Bi550-72	M72 x P0.75
Bi550-39	M39 x P0.5	Bi550-77	M77 x P0.75
Bi550-40.5	M40.5 x P0.5	Bi550-82	M82 x P0.75

### 25.4™ C-Mount



Threads between lens and sensor

Part #: Bi550-25.4

### 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: Bi550-S43

### Unmounted

Custom shapes & sizes available

Create Part #

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

Example: Bi550-D19

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

Example: Bi550-R30x15

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

Example: Bi550-R15

## Bi550 DATA POINTS (TYPICAL)

Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)
1100	2.72	910	0.01	720	0.00	530	34.56
1090	2.39	900	0.00	710	0.00	520	0.31
1080	2.43	890	-0.05	700	0.00	510	0.02
1070	2.07	880	0.03	690	0.01	500	0.04
1060	1.09	870	-0.03	680	0.01	490	0.02
1050	0.44	860	0.00	670	0.01	480	0.01
1040	0.19	850	0.00	660	0.03	470	0.01
1030	0.10	840	0.00	650	0.02	460	0.01
1020	0.05	830	0.00	640	0.01	450	0.01
1010	0.04	820	0.00	630	0.02	440	0.00
1000	0.04	810	0.01	620	0.03	430	0.00
990	0.08	800	0.00	610	0.02	420	0.00
980	0.16	790	0.00	600	0.02	410	0.02
970	0.09	780	0.00	590	0.01	400	0.01
960	0.01	770	0.00	580	0.02	390	0.08
950	-0.01	760	0.00	570	2.35	380	0.00
940	-0.01	750	0.00	560	67.09	370	0.01
930	0.01	740	0.00	550	90.43	360	0.01
920	0.01	730	0.00	540	92.72	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)