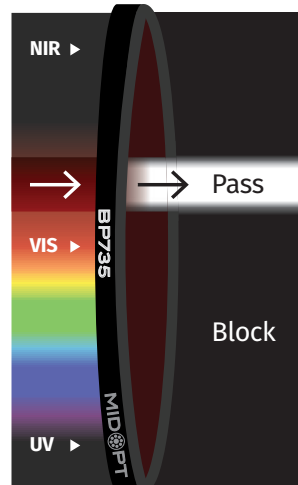
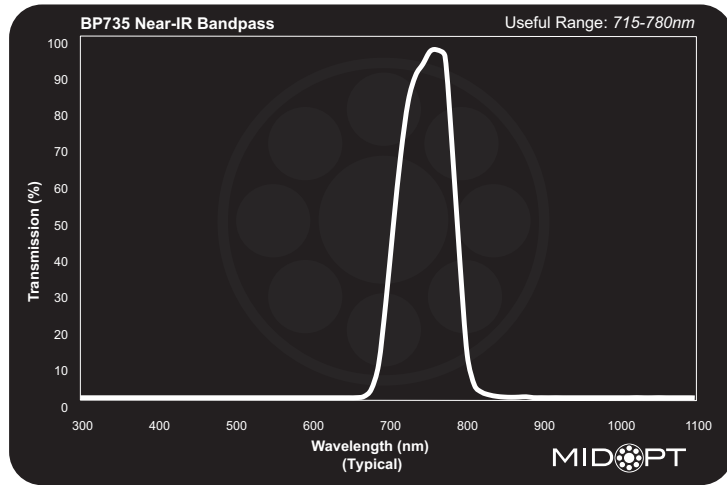


# BP735 NEAR-IR BANDPASS

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Useful Range: 715-780nm

FWHM: 90nm

Peak Transmission: ≥90%

Surface Quality: 40/20

Compatible LED: 740nm

StableEDGE™

A BP735 filter is designed for viewing subjects in the 700-770nm range and is recommended for use with near-infrared LEDs. BP735 filters block all UV and visible light, optimizing results achieved with IR lighting used in traffic control and license plate recognition systems.

## BP735 DATA POINTS (TYPICAL)

Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)
1100	0.43	910	1.46	720	83.13	530	0.00
1090	0.26	900	0.65	710	74.36	520	0.00
1080	0.19	890	-0.13	700	54.74	510	0.00
1070	0.19	880	0.35	690	26.66	500	0.00
1060	0.26	870	0.24	680	7.90	490	0.00
1050	0.43	860	0.61	670	2.08	480	0.00
1040	0.51	850	0.87	660	0.78	470	0.00
1030	0.37	840	0.89	650	0.33	460	0.00
1020	0.18	830	1.23	640	0.16	450	0.00
1010	0.10	820	2.59	630	0.10	440	0.00
1000	0.08	810	7.41	620	0.05	430	0.00
990	0.17	800	21.04	610	0.03	420	0.00
980	0.46	790	54.77	600	0.02	410	0.00
970	0.72	780	89.59	590	0.01	400	0.00
960	0.55	770	95.70	580	0.01	390	0.00
950	0.41	760	95.11	570	0.01	380	0.00
940	0.02	750	94.82	560	0.01	370	0.00
930	-0.11	740	93.70	550	0.00	360	0.00
920	0.02	730	89.72	540	0.00	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)

## 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
BP735-13.25	M13.25 x P0.5	BP735-46	M46 x P0.75
BP735-22.5	M22.5 x P0.5	BP735-48	M48 x P0.75
BP735-25.4	M25.4 x P32TPI	BP735-49	M49 x P0.75
BP735-25.5	M25.5 x P0.5	BP735-52	M52 x P0.75
BP735-27	M27 x P0.5	BP735-55	M55 x P0.75
BP735-30.5	M30.5 x P0.5	BP735-58	M58 x P0.75
BP735-34	M34 x P0.5	BP735-62	M62 x P0.75
BP735-35.5	M35.5 x P0.5	BP735-67	M67 x P0.75
BP735-37	M37 x P0.75	BP735-72	M72 x P0.75
BP735-37.5	M37.5 x P0.5	BP735-77	M77 x P0.75
BP735-39	M39 x P0.5	BP735-82	M82 x P0.75
BP735-40.5	M40.5 x P0.5	BP735-86	M86 x P1.0
BP735-43	M43 x P0.75	BP735-95	M95 x P1.0
		BP735-105	M105 x P1.0

### 25.4™ C-Mount



Threads between lens and sensor

Part #: BP735-25.4

### 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: BP735-S43

### Unmounted

Custom shapes & sizes available

#### Create Part #

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

Example: BP735-D19

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

Example: BP735-R30x15

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

Example: BP735-R15