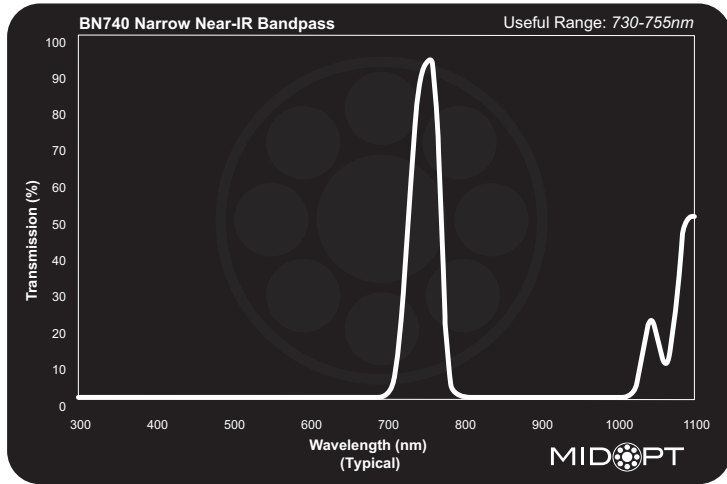
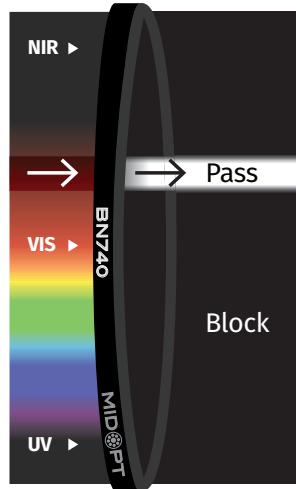


# BN740 NARROW NEAR-IR BANDPASS

WWW.MIDOPT.COM  
INFO@MIDOPT.COM



One of the commonly used IR illumination wavelengths, BN740 filters are suitable for laser diode and LED applications. The narrow band design is ideal when there are overwhelming ambient light conditions. Commonly used in security, traffic control and industrial inspection applications.



Useful Range: 730-755nm

FWHM: 50nm

Peak Transmission: ≥85%

Surface Quality: 40/20

Compatible LED: 740nm

StableEDGE™

## BN740 DATA POINTS (TYPICAL)

Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)
1100	47.90	910	0.00	720	48.92	530	0.00
1090	39.05	900	0.00	710	19.99	520	0.00
1080	18.26	890	0.00	700	4.53	510	0.00
1070	8.95	880	0.00	690	0.67	500	0.00
1060	14.55	870	0.00	680	0.11	490	0.00
1050	20.56	860	0.00	670	0.02	480	0.00
1040	13.61	850	0.00	660	0.01	470	0.00
1030	3.21	840	0.00	650	0.01	460	0.00
1020	0.38	830	0.00	640	0.00	450	0.00
1010	0.14	820	0.00	630	0.00	440	0.00
1000	0.06	810	0.00	620	0.00	430	0.00
990	0.02	800	0.01	610	0.00	420	0.01
980	0.01	790	0.10	600	0.00	410	0.01
970	0.00	780	1.58	590	0.00	400	0.00
960	0.00	770	22.58	580	0.00	390	0.00
950	0.00	760	72.78	570	0.00	380	0.00
940	0.00	750	91.59	560	0.00	370	0.00
930	0.00	740	87.12	550	0.00	360	0.00
920	0.00	730	74.68	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
BN740-13.25	M13.25 x P0.5	BN740-46	M46 x P0.75
BN740-22.5	M22.5 x P0.5	BN740-48	M48 x P0.75
BN740-25.4	M25.4 x P32TPI	BN740-49	M49 x P0.75
BN740-25.5	M25.5 x P0.5	BN740-52	M52 x P0.75
BN740-27	M27 x P0.5	BN740-55	M55 x P0.75
BN740-30.5	M30.5 x P0.5	BN740-58	M58 x P0.75
BN740-34	M34 x P0.5	BN740-62	M62 x P0.75
BN740-35.5	M35.5 x P0.5	BN740-67	M67 x P0.75
BN740-37	M37 x P0.75	BN740-72	M72 x P0.75
BN740-37.5	M37.5 x P0.5	BN740-77	M77 x P0.75
BN740-39	M39 x P0.5	BN740-82	M82 x P0.75
BN740-40.5	M40.5 x P0.5	BN740-86	M86 x P1.0
BN740-43	M43 x P0.75	BN740-95	M95 x P1.0
		BN740-105	M105 x P1.0

### 25.4™ C-Mount



Threads between lens and sensor

Part #: BN740-25.4-SIS

### 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: BN740-S43

### Unmounted

Custom shapes & sizes available

#### Create Part #

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

Example: BN740-D19

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

Example: BN740-R30x15

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

Example: BN740-R15