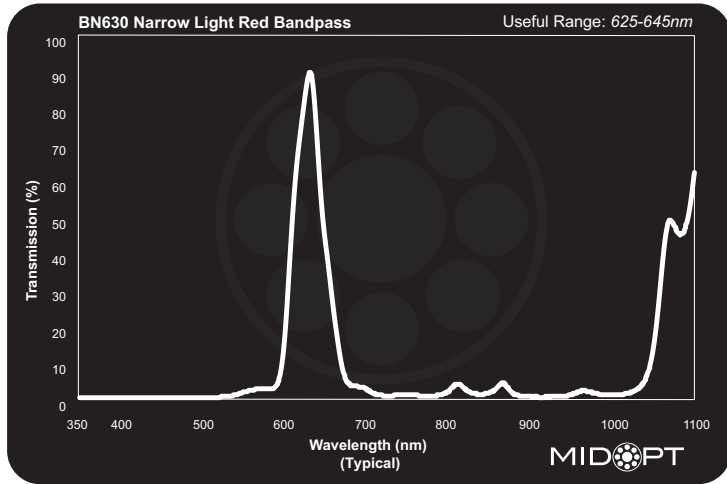
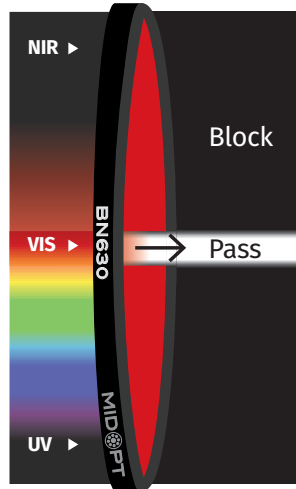


# BN630 NARROW LIGHT RED BANDPASS

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Commonly used in outdoor applications where strong sunlight is often a problem, a BN630 filter is suitable for use with LED and laser diode illumination. It exhibits less effect from "blue shifting" in wide angle applications.



Useful Range: 625-645nm  
FWHM: 45nm  
Peak Transmission: ≥85%  
Surface Quality: 40/20  
Compatible LED: 617nm, 625nm, 630nm

StableEDGE™

## BN630 DATA POINTS (TYPICAL)

| Wavelength (nm) | Transmission (%) | Wavelength (nm) | Transmission (%) | Wavelength (nm) | Transmission (%) | Wavelength (nm) | Transmission (%) |
|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|
| 1100            | 63.14            | 910             | 0.17             | 720             | 0.61             | 530             | 0.37             |
| 1090            | 48.31            | 900             | 0.21             | 710             | 1.09             | 520             | 0.17             |
| 1080            | 45.09            | 890             | 0.38             | 700             | 2.38             | 510             | 0.05             |
| 1070            | 48.68            | 880             | 0.99             | 690             | 3.07             | 500             | 0.02             |
| 1060            | 36.71            | 870             | 3.29             | 680             | 3.61             | 490             | 0.01             |
| 1050            | 15.14            | 860             | 3.05             | 670             | 8.77             | 480             | 0.01             |
| 1040            | 5.55             | 850             | 1.35             | 660             | 23.92            | 470             | 0.00             |
| 1030            | 2.45             | 840             | 0.98             | 650             | 42.75            | 460             | 0.00             |
| 1020            | 1.34             | 830             | 1.20             | 640             | 70.59            | 450             | 0.00             |
| 1010            | 0.93             | 820             | 2.42             | 630             | 88.92            | 440             | 0.00             |
| 1000            | 0.79             | 810             | 3.68             | 620             | 73.59            | 430             | 0.00             |
| 990             | 0.83             | 800             | 1.83             | 610             | 49.57            | 420             | 0.00             |
| 980             | 1.13             | 790             | 0.79             | 600             | 15.17            | 410             | 0.00             |
| 970             | 1.72             | 780             | 0.52             | 590             | 3.21             | 400             | 0.00             |
| 960             | 1.75             | 770             | 0.52             | 580             | 2.45             | 390             | 0.00             |
| 950             | 0.89             | 760             | 0.70             | 570             | 2.44             | 380             | 0.00             |
| 940             | 0.42             | 750             | 0.93             | 560             | 2.06             | 370             | 0.00             |
| 930             | 0.24             | 740             | 0.77             | 550             | 1.47             | 360             | 0.00             |
| 920             | 0.21             | 730             | 0.57             | 540             | 0.72             | 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)

## 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 |
|-------------|--------------------|-----------|--------------------|
| BN630-13.25 | M13.25 x P0.5      | BN630-46  | M46 x P0.75        |
| BN630-22.5  | M22.5 x P0.5       | BN630-48  | M48 x P0.75        |
| BN630-25.4  | M25.4 x P32TPI     | BN630-49  | M49 x P0.75        |
| BN630-25.5  | M25.5 x P0.5       | BN630-52  | M52 x P0.75        |
| BN630-27    | M27 x P0.5         | BN630-55  | M55 x P0.75        |
| BN630-30.5  | M30.5 x P0.5       | BN630-58  | M58 x P0.75        |
| BN630-34    | M34 x P0.5         | BN630-62  | M62 x P0.75        |
| BN630-35.5  | M35.5 x P0.5       | BN630-67  | M67 x P0.75        |
| BN630-37    | M37 x P0.75        | BN630-72  | M72 x P0.75        |
| BN630-37.5  | M37.5 x P0.5       | BN630-77  | M77 x P0.75        |
| BN630-39    | M39 x P0.5         | BN630-82  | M82 x P0.75        |
| BN630-40.5  | M40.5 x P0.5       | BN630-86  | M86 x P1.0         |
| BN630-43    | M43 x P0.75        | BN630-95  | M95 x P1.0         |
|             |                    | BN630-105 | M105 x P1.0        |

### 25.4™ C-Mount



Threads between lens and sensor

Part #: BN630-25.4

### 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: BN630-S43

### Unmounted

Custom shapes & sizes available

#### Create Part #

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

Example: BN630-D19

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

Example: BN630-R30x15

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

Example: BN630-R15