

# FTSP450M43 | DATASHEET

## Optical filter, short pass, dark blue



### KEY ADVANTAGES

- High and precise transmission
- Wide range selection
- Available for fixed focal length lenses and telecentric lenses
- Increase resolution
- Block unwanted light
- Tolerate high temperature environment

Light filtering is a typical need in machine vision applications. Together with LED illuminators, filters can improve image contrast by blocking unwanted light and increase the accuracy and repeatability of the vision system.

### SPECIFICATIONS

#### Optical specifications

|                               |      |            |
|-------------------------------|------|------------|
| Type                          |      | short pass |
| Light color                   |      | dark blue  |
| Wavelength range <sup>1</sup> | (nm) | 370 - 440  |
| Cut-on 50% transmission       | (nm) | -          |
| Cut-off 50% transmission      | (nm) | 440        |
| FWHM <sup>2</sup>             | (nm) | -          |

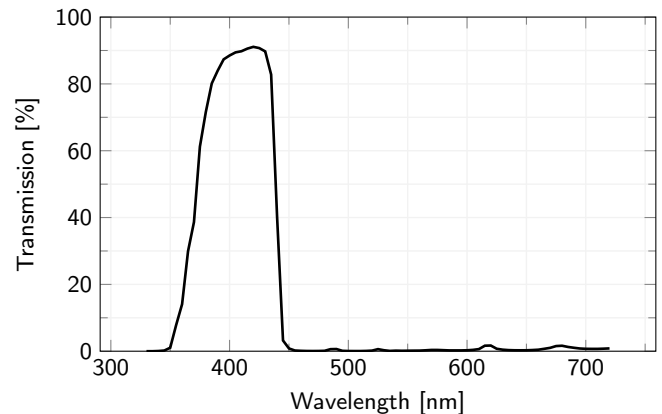
#### Mechanical specifications

|                 |      |            |
|-----------------|------|------------|
| Filter Thread   |      | M43 x 0.75 |
| Outer Diametere | (mm) | 46.0       |
| Clear Aperture  | (mm) | 38.0       |

<sup>1</sup> Peak transmission >90%

<sup>2</sup> Tolerance ±10 nm

Transmission Spectrum



### COMPATIBLE PRODUCTS

Full list of compatible products available [here](#).



A wide selection of innovative machine vision components.

All product specifications and data are subject to change without notice to improve reliability, functionality, design or other. Photos and pictures are for illustration purposes only. Data are reported by design, actual lens performance may vary due to manufacturing tolerances.