

# FTSP450TC | 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)	-

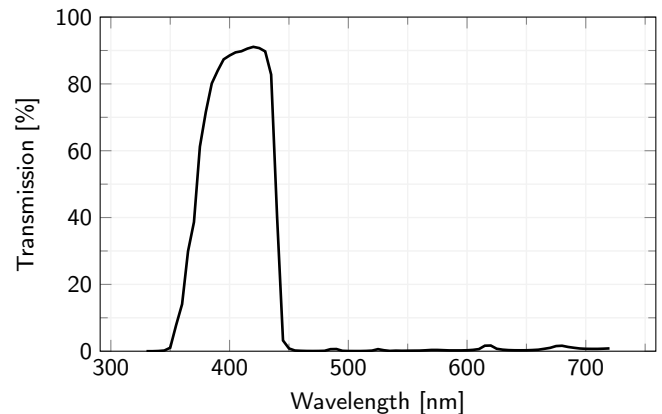
#### Mechanical specifications

Filter Thread		TC insert
Outer Diametere	(mm)	24.5
Clear Aperture	(mm)	15.0

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

<sup>2</sup> Tolerance ±10 nm

Transmission Spectrum



### ADDITIONAL NOTE

Except TC23004, TC23007, TC23009, TC23012 and all TC13xxx lenses for 1/3" sensor. Before purchasing a TC filter, please check its mechanical compatibility with the selected lens. Using the filter may cause some vignetting, depending on the size of the sensor.

### 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.