

# FTBP850TC | DATASHEET

## Optical filter, band pass, IR



### 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		band pass
Light color		IR
Wavelength range <sup>1</sup>	(nm)	800 - 880
Cut-on 50% transmission	(nm)	-
Cut-off 50% transmission	(nm)	-
FWHM <sup>2</sup>	(nm)	80

#### Mechanical specifications

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

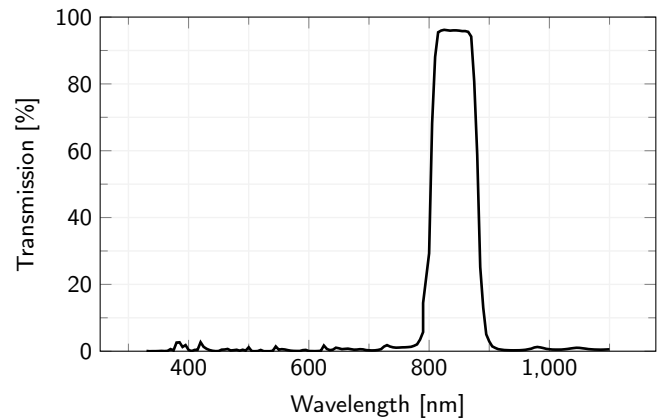
<sup>1</sup> Peak transmission >90%

<sup>2</sup> Tolerance ±10 nm

### ADDITIONAL NOTE

Filter not compatible with TC23004, TC23007, TC23009 and TC23012. For other telecentric lens some vignetting may occur, depending on sensor size.

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.