

## New Bandpass Filter Kit for Machine Vision: TMF-27BP

### Product Overview

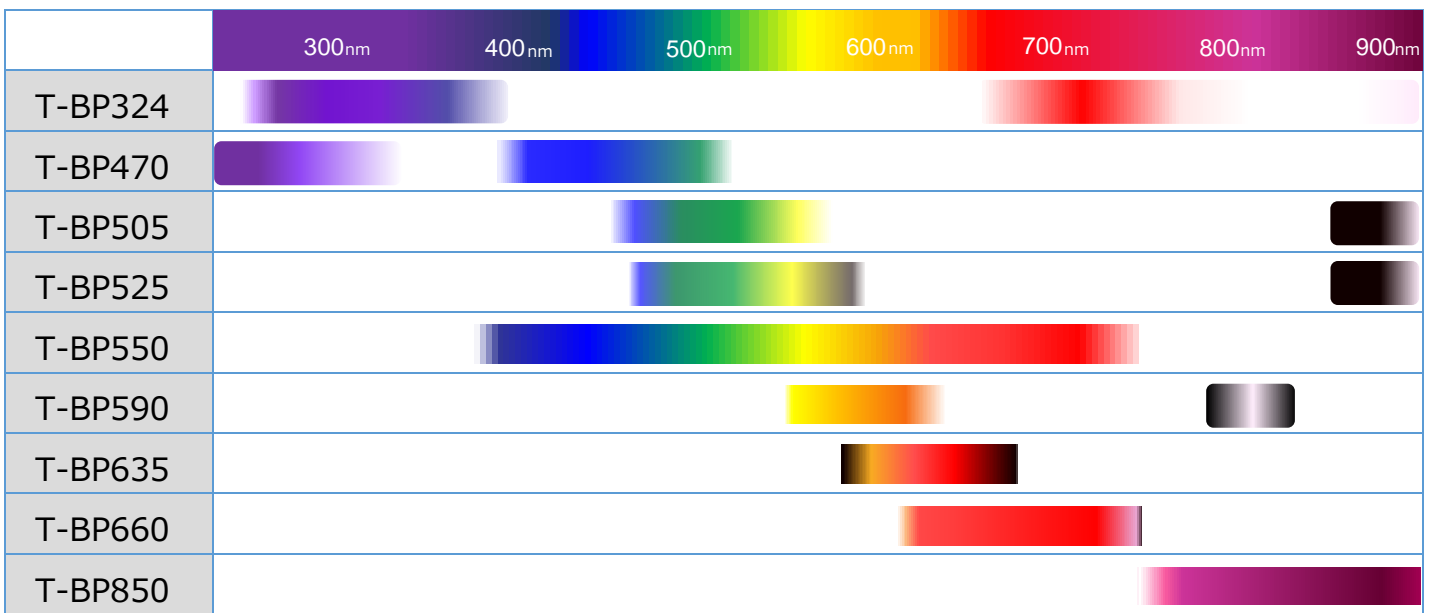
- Filter kit with convenience and high cost efficiency, manufactured with extensive know-how by the pioneer of optical filters
- 10 pcs of most popular filters used for machine vision & industrial use
- Accessory: Portable pouch



### Contents

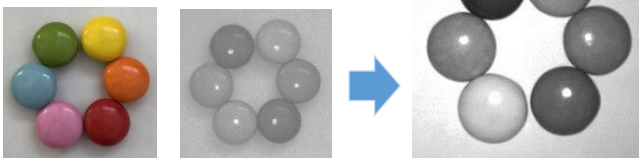
- Bandpass Filters (M27) 9 pcs
- T-PL: Linear polarization/rotator(M27) 1 pc
- Step-up ring: 25.5→27.0 1 pc
- Step-down ring: 30.5→27.0 1 pc

### Spectral Characteristics



### Examples of contrast adjustment

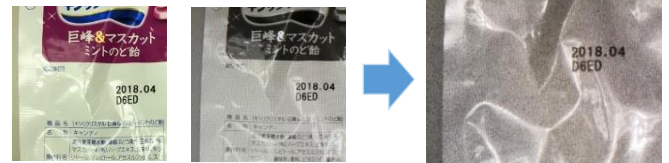
- Complementary colors enhance the contrast and enable to distinguish colors at image processing.



Without Filters (color/monochrome)

With T-BP590

- Removing ink valid only under visible light to detect the defect easier.



Without Filters (color/monochrome)

With T-BP850

Following filters on the list are the standard items with shorter lead time.  
For filter size not listed, please contact us.

## List of bandpass Filters

Angle of incidence: 0°

Model	Set	Center Wavelength (nm)	Transmittance	Half Bandwidth (nm)	Transmitting DWL (nm)	Glass Thickness (mm)	Application
T-BP324	○	324±10	≥85%	105±10	290~365	1.5	
T-BP360		360±10	≥90%	80±10	200~580	2.0	
T-BP470	○	470±10	≥85%	85±10	425~495	4.0	
T-BP505	○	505±10	≥90%	90±10	480~550	2.8	
T-BP525	○	525±10	≥90%	80±10	500~555	4.0	
T-BP550	○	550±10	≥90%	300±10	410~690	2.2	
T-BP590	○	590±10	≥90%	70±10	560~600	2.8	
T-BP635	○	635±10	≥90%	60±10	615~645	4.0	
T-BP660	○	660±10	≥90%	65±10	640~680	2.8	Machine Vision
T-BP680*		680±10	≥90%	15±10	300~1200	2.0	Agriculture
T-BP850	○	850±10	≥90%	160±10	820~910	4.0	Machine Vision
T-BP940		940±10	≥90%	135±10	300~1230	2.0	Security
T-BP1200		1200±10	≥80%	160±10	300~1400	2.0	Constituent Analysis
T-BP1450*		1450±10	≥85%	20±10	300~1600	2.0	Constituent Analysis

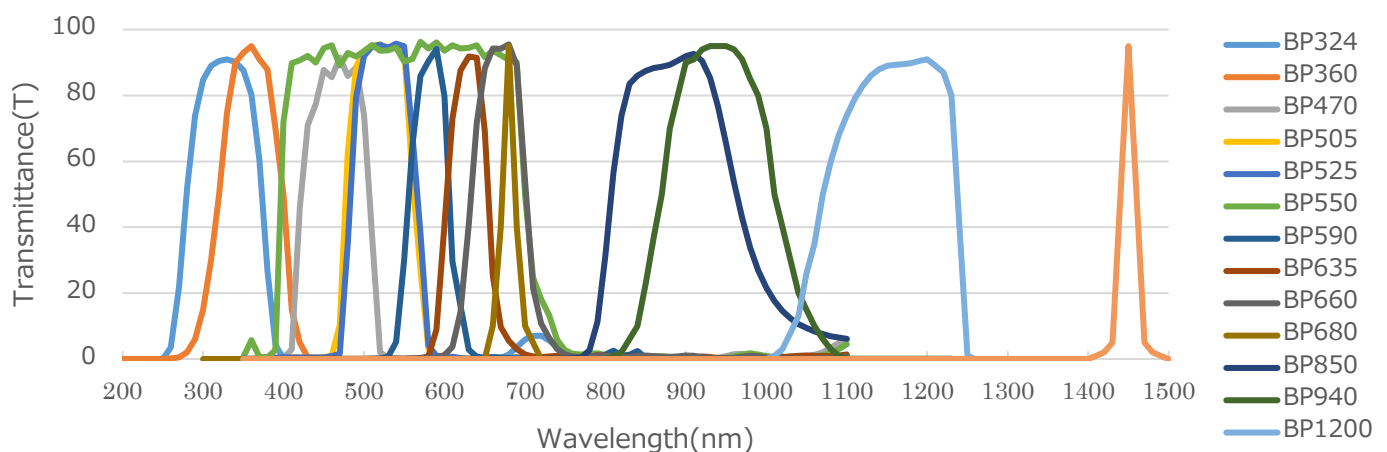
## Available sizes (with round filter frame)\*\*

\* Available in Fall 2018

Sizes(mm)	M22.5	M24	M25.5	M27	M30.5	M34	M35.5	M37
		M40.5	M43	M46	M49	M52	M55	M58

## Spectral Transmittance

\*\*Other shape (e.g. square) also available



## Custom-order

Custom-order is also available according to your request.  
Please feel free to contact us for details.