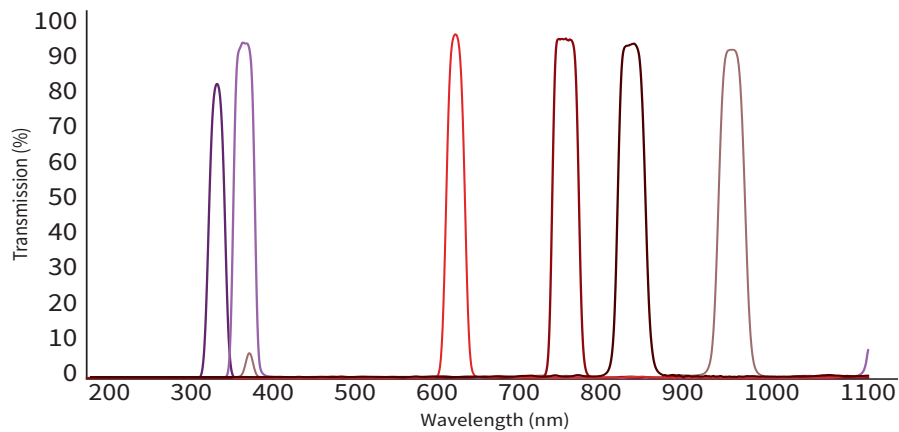




Designed for use with laser diodes, Bi filters offer ideal wavelength separation when multiple light sources of similar wavelengths are present. Bi Series are popular for life science and laser analysis applications where only discrete wavelengths need to be passed to maximize system performance.



PART #	DESCRIPTION	USEFUL RANGE	Peak Transmission	Surface Quality
Bi615	Interference Bandpass	605-620nm	≥ 90%	40/20

- Often used in conjunction with 615nm LED and other similar illumination
- Can also be used to image fluorescence emissions such as AlphaLISA immunoassays and some lanthanide elements in glass

PART #	DESCRIPTION	USEFUL RANGE	Peak Transmission	Surface Quality
Bi750	Interference Bandpass	740-765nm	≥ 90%	40/20

- Can eliminate interfering visible and longer wave near-IR light in order to greatly improve contrast/detection
- Can be used to highlight dyes used in labeling, packaging and manufacturing

PART #	DESCRIPTION	USEFUL RANGE	Peak Transmission	Surface Quality
Bi350	Interference Bandpass	344-358nm	≥ 70%	40/20

- Efficiently blocks visible to near-IR wavelengths while passing UV light
- Useful when used for UV curing, photocatalytic air/water purification and medical instrumentation, as well near-UV fluorescence imaging

PART #	DESCRIPTION	USEFUL RANGE	Peak Transmission	Surface Quality
Bi830	Interference Bandpass	815-840nm	≥ 90%	40/20

- Typically used with IR LED or Laser Diode Illuminators operating at or very close to the 830nm wavelength
- Useful in night vision, security, traffic control, LPR and industrial inspection applications

PART #	DESCRIPTION	USEFUL RANGE	Peak Transmission	Surface Quality
Bi385	Interference Bandpass	370-390nm	≥ 90%	40/20

- Designed to block visible through near-IR wavelengths while passing UV light
- Useful for near-UV fluorescence imaging to block visible light and light from deeper UV excitation sources

PART #	DESCRIPTION	USEFUL RANGE	Peak Transmission	Surface Quality
Bi940	Interference Bandpass	930-952nm	≥ 85%	40/20

- Narrow band design commonly used with IR LED or Laser Diode Illumination that operate at 940nm
- Frequently used in night vision, security, traffic control, LPR and industrial image applications