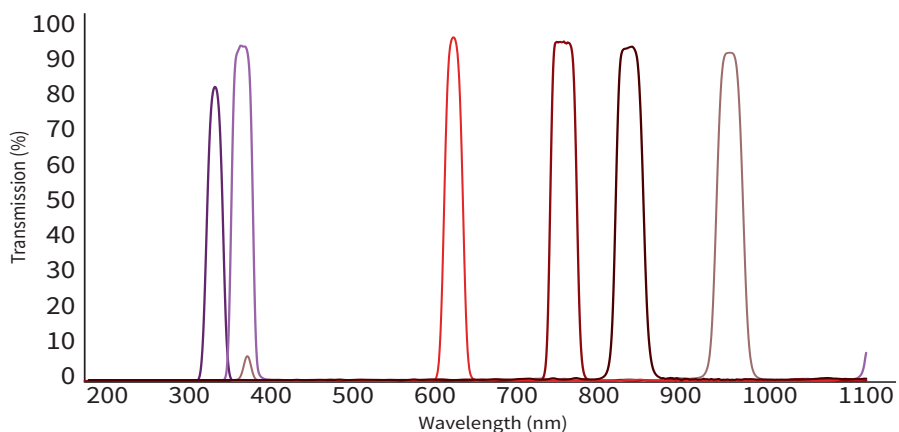




Designed for use with laser diodes, Bi filters offer ideal wavelength separation when multiple light sources of similar wavelengths are present. Bi Series are popular for life science and laser analysis applications where only specific wavelengths need to be passed to maximize system performance.



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	810-850nm	≥ 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

ULTRAVIOLET (UV) Bi SERIES FILTERS

PART #	DESCRIPTION	USEFUL RANGE	PEAK TRANSMISSION	40/20
NEW ● Bi350	Near-UV Interference Bandpass	344-358	≥ 70%	•
NEW ● Bi385	Near-UV Interference Bandpass	370-390	≥ 90%	•

VISIBLE (VIS) Bi SERIES FILTERS

PART #	DESCRIPTION	USEFUL RANGE	PEAK TRANSMISSION	40/20
● Bi405	Violet Interference Bandpass	400-415	≥ 85%	•
● Bi440	Violet Interference Bandpass	425-455	≥ 90%	•
● Bi450	Blue Interference Bandpass	445-465	≥ 88%	•
● Bi518	Light Green Interference Bandpass	510-525	≥ 85%	•
● Bi520	Light Green Interference Bandpass	515-525	≥ 88%	•
● Bi550	Green Interference Bandpass	535-558	≥ 88%	•
NEW ● Bi615	Amber Interference Bandpass	605-620	≥ 90%	•
● Bi632	Light Red Interference Bandpass	625-640	≥ 88%	•
● Bi650	Red Interference Bandpass	643-665	≥ 85%	•
● Bi660	Dark Red Interference Bandpass	650-665	≥ 88%	•
● Bi685	Dark Red Interference Bandpass	675-692	≥ 90%	•
● Bi725	Red Edge Interference Bandpass	717-732	≥ 90%	•

NEAR-INFRARED (NIR) Bi SERIES FILTERS

PART #	DESCRIPTION	USEFUL RANGE	PEAK TRANSMISSION	40/20
NEW ● Bi750	Near-IR Interference Bandpass	740-765	≥ 90%	•
● Bi780	Near-IR Interference Bandpass	765-795	≥ 90%	•
● Bi808	Near-IR Interference Bandpass	798-820	≥ 85%	•
NEW ● Bi830	Near-IR Interference Bandpass	810-850	≥ 90%	•
● Bi832	Near-IR Interference Bandpass	822-846	≥ 90%	•
● Bi850	Near-IR Interference Bandpass	845-860	≥ 88%	•
● Bi880	Near-IR Interference Bandpass	870-890	≥ 85%	•
● Bi905	Near-IR Interference Bandpass	895-915	≥ 88%	•
NEW ● Bi940	Near-IR Interference Bandpass	930-952	≥ 85%	•

SHORT-WAVE INFRARED (SWIR) Bi SERIES FILTERS

PART #	DESCRIPTION	USEFUL RANGE	PEAK TRANSMISSION	40/20
● Bi1300	Short-Wave Infrared Bandpass	1290-1310	≥ 90%	•
● Bi1450	Short-Wave Infrared Bandpass	1440-1460	≥ 90%	•
● Bi1550	Short-Wave Infrared Bandpass	1540-1560	≥ 90%	•

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