

LONGPASS FILTERS

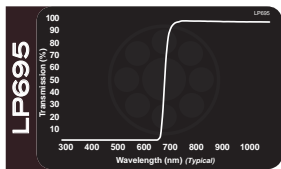
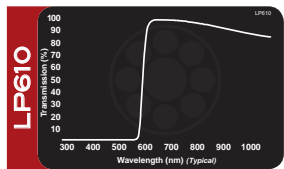
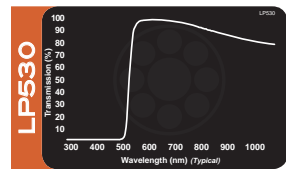
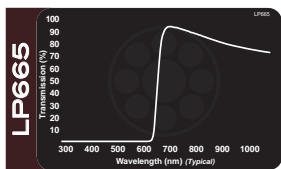
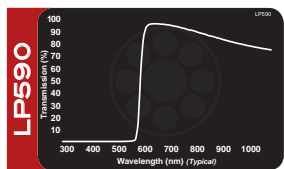
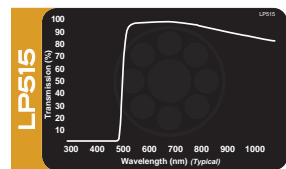
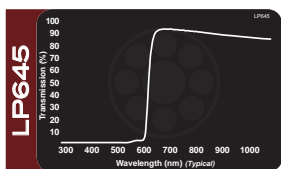
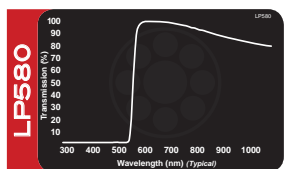
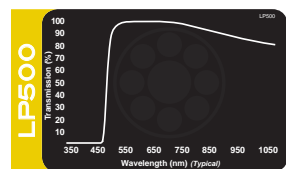
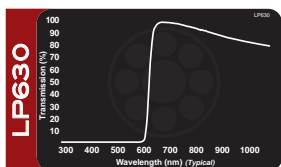
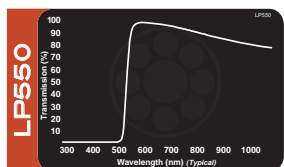
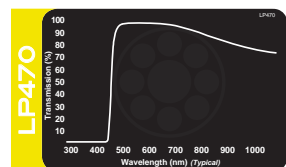


Often referred to as a “sharp-cut” filter, Longpass Filters are specifically designed to pass a broad spectrum of longer wavelength light while blocking shorter wavelengths.

- Economical solution for isolating specific spectral regions
- Peak transmission $\geq 90\%$
- StabLEDGE® design reduces angular dependency and minimizes short-shifting effects
- Anti-reflection coated for maximum transmission in VIS and NIR spectrums
- Can be used with Shortpass Filters for a custom, fine-tuned Bandpass Filter
- Double-side polished glass for exceptional parallelism and optical flatness
- Exceptional surface quality; 40/20 scratch/dig
- Available in wavelength ranges from 350nm to 1500nm

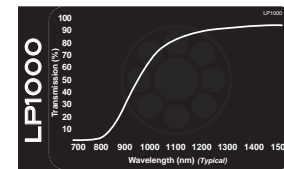
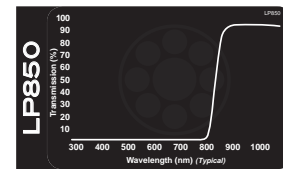
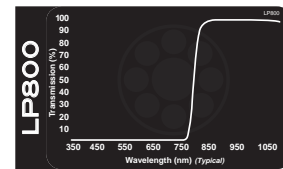
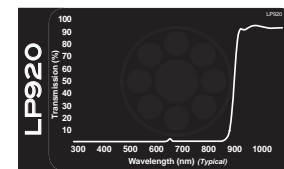
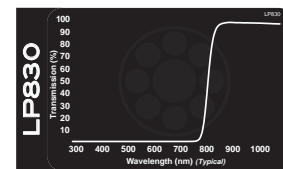
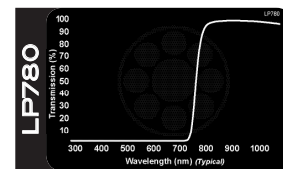
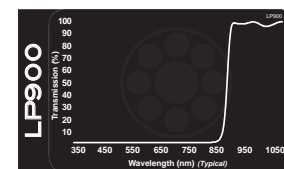
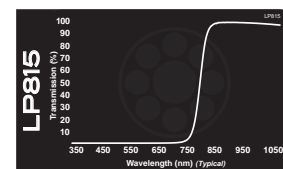
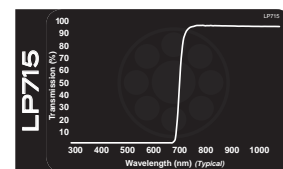
MOUNT & SIZE OPTIONS: In-stock, ready-to-ship Longpass Filters are available in Threaded Mounts, sizes M13.25 to M105; 25.4™ C-Mount; Slip Mounts; or Unmounted. Custom shapes and sizes are also available.

APPLICATIONS: Longpass Filters are often used in fluorescence applications to block an excitation light source or to pass multiple emission wavelengths, improving signal to noise ratio. Longpass Filters are also commonly used in photography and astronomy.



Part #	Description	Useful Range	Cut-on WL 50% T	Peak Transmission	StabLEDGE®
LP SERIES — LENS PROTECTION					
○ LP285*	High Transmission Heat Resistant VIS-NIR A/R Protective Window	350-1100nm	285nm	$\geq 98\%$	•
○ LP330*	Protective Window	350-1100nm	330nm	$\geq 90\%$	•
○ LP340*	A/R Protective Window	350-800nm	340nm	$\geq 98\%$	•
○ LP390*	UV Absorbing Protective Window	410-1100nm	390nm	$\geq 90\%$	•
○ LP415*	UV Block A/R Protective Window	415-1100nm	415nm	$\geq 95\%$	•
LP SERIES — LONGPASS					
● LP470	Light Yellow Longpass	480-1100nm	470nm	$\geq 90\%$	•
● LP500	Yellow Longpass	510-1100nm	495nm	$\geq 90\%$	•
● LP515	Yellow-Orange Longpass	520-1100nm	515nm	$\geq 90\%$	•
● LP530	Orange Longpass	545-1100nm	530nm	$\geq 90\%$	•
● LP550	Orange Longpass	560-1100nm	550nm	$\geq 90\%$	•
● LP580	Red-Orange Longpass	585-1100nm	580nm	$\geq 90\%$	•
● LP590	Red Longpass	605-1100nm	590nm	$\geq 90\%$	•
● LP610	Red Longpass	620-1100nm	610nm	$\geq 90\%$	•
● LP630	Red Longpass	645-1100nm	630nm	$\geq 90\%$	•
● LP645	Dark Red Longpass	650-1100nm	645nm	$\geq 90\%$	•
● LP665	Dark Red Longpass	680-1100nm	665nm	$\geq 90\%$	•
● LP695	Near-IR Longpass	715-1100nm	695nm	$\geq 90\%$	•
● LP715	Near-IR Longpass	730-1100nm	715nm	$\geq 90\%$	•
● LP780	Near-IR Longpass	800-1100nm	780nm	$\geq 90\%$	•
● LP800	Near-IR Longpass	820-1100nm	800nm	$\geq 90\%$	•
● LP815	Near-IR Longpass	825-1100nm	815nm	$\geq 95\%$	•
● LP830	Near-IR Longpass	845-1100nm	830nm	$\geq 90\%$	•
● LP850	Near-IR Longpass	870-1100nm	850nm	$\geq 90\%$	•
● LP900	Near-IR Longpass	910-1100nm	900nm	$\geq 90\%$	•
● LP920	Near-IR Longpass	930-1100nm	920nm	$\geq 90\%$	•
● LP1000	Near-IR Longpass	1010-1500nm	1000nm	$\geq 90\%$	•

*See page 26 for filter curves
Due to continuous product improvement, specifications are subject to change without notice.



A NECESSITY, NOT AN ACCESSORY.



Midwest Optical Systems, Inc.
322 Woodwork Lane
Palatine, IL 60067 USA
info@midopt.com



日本代理店：
レボックス株式会社

〒222-0033 神奈川県横浜市港北区新横浜2-17-19
AR新横浜ビルディング4F
Tel 045-548-8172 Fax 045-548-8568

本社 (技術サポート)
〒252-0243 神奈川県相模原市中央区上溝1880-2 SIC-3
Tel 042-786-0371 Fax 042-786-0372

E-mail info@revox.jp

www.revox.jp



WWW.MIDOPT.COM