

## Bandpass Filters

Part #	Description	Useful Range	FWHM
<b>BP SERIES — BROAD BANDWIDTH</b>			
BP250	Deep-to-Near UV Bandpass	230-275nm	70nm
BP324	Near-UV Bandpass	290-365nm	105nm
BP365	Near-UV Bandpass	335-400nm	80nm
BP470	Blue Bandpass	425-495nm	85nm
BP500	Green-Blue Bandpass	440-555nm	248nm
BP505	Cyan Bandpass	485-550nm	90nm
BP525	Light Green Bandpass	500-555nm	80nm
BP550	Near-IR/UV Block-Visible Bandpass	410-690nm	300nm
BP590	Orange Bandpass	560-600nm	70nm
BP635	Light Red Bandpass	615-645nm	60nm
BP660	Dark Red Bandpass	640-680nm	65nm
BP695	Near-IR Bandpass	680-720nm	65nm
BP735	Near-IR Bandpass	715-780nm	90nm
BP800	Near-IR Bandpass	745-950nm	315nm
BP850	Near-IR Bandpass	820-910nm	160nm
BP880	Near-IR Bandpass	845-930nm	130nm
<b>BN SERIES — NARROW BANDWIDTH</b>			
BN470	Narrow Blue Bandpass	460-490nm	50nm
BN532	Narrow Green Bandpass	525-550nm	55nm
BN595	Narrow Orange Bandpass	580-610nm	45nm
BN630	Narrow Light Red Bandpass	625-645nm	45nm
BN650	Narrow Red Bandpass	638-672nm	50nm
BN660	Narrow Dark Red Bandpass	645-675nm	45nm
BN740	Narrow Near-IR Bandpass	730-755nm	50nm
BN785	Narrow Near-IR Bandpass	770-790nm	45nm
BN810	Narrow Near-IR Bandpass	798-820nm	50nm
BN850	Narrow Near-IR Bandpass	840-865nm	45nm
BN880	Narrow Near-IR Bandpass	855-890nm	45nm
BN940	Narrow Near-IR Bandpass	928-955nm	55nm
<b>BI SERIES — NARROW INTERFERENCE BANDWIDTH</b>			
BI405	Violet Interference Bandpass	390-410nm	35nm
BI550	Green Interference Bandpass	535-558nm	33nm
BI632	Light Red Interference Bandpass	625-640nm	28nm
BI650	Red Interference Bandpass	643-665nm	30nm
BI660	Dark Red Interference Bandpass	650-665nm	28nm
BI808	Near-IR Interference Bandpass	803-813nm	20nm
BI850	Near-IR Interference Bandpass	845-860nm	33nm

## Dual Bandpass Filters

Part #	Description	Useful Range	FWHM
<b>DB SERIES — DUAL BANDWIDTH</b>			
DB475/850	Dual Bandpass Visible Blue + NIR	Visible 460-490nm NIR 830-870nm	40nm, 55nm
DB660/850	Dual Bandpass Visible Red + NIR	Visible 645-675nm NIR 830-870nm	40nm, 50nm
DB735	Dual Bandpass Visible + 735nm NIR	Visible 405-645nm NIR 725-755nm	250nm, 50nm
DB850	Dual Bandpass Visible + 850nm NIR	Visible 405-645nm NIR 835-875nm	250nm, 50nm
DB940	Dual Bandpass Visible + 940nm NIR	Visible 405-650nm NIR 925-965nm	250nm, 60nm

Due to continuous product improvement, specifications are subject to change without notice.  
Rev. 8/2015

## Longpass Filters

Part #	Description	Useful Range	Cut-on WL 50% T
<b>LP SERIES — LONGPASS</b>			
LP285	High Transmission Heat Resistant A/R Protective Window	385-1100nm	285nm
LP330	Protective Window	340-1100nm	330nm
LP340	A/R Protective Window	390-800nm	340nm
LP390	UV Absorbing Protective Window	420-1100nm	390nm
LP415	UV Block A/R Protective Window	420-1100nm	415nm
LP470	Light Yellow Longpass	480-1100nm	470nm
LP500	Yellow Longpass	510-1100nm	495nm
LP515	Yellow-Orange Longpass	520-1100nm	515nm
LP530	Orange Longpass	545-1100nm	530nm
LP550	Orange Longpass	560-1100nm	550nm
LP580	Red-Orange Longpass	585-1100nm	580nm
LP590	Red Longpass	605-1100nm	590nm
LP610	Red Longpass	620-1100nm	610nm
LP630	Red Longpass	645-1100nm	630nm
LP645	Dark Red Longpass	650-1100nm	645nm
LP665	Dark Red Longpass	680-1100nm	665nm
LP695	Near-IR Longpass	715-1100nm	695nm
LP715	Near-IR Longpass	730-1100nm	715nm
LP780	Near-IR Longpass	800-1100nm	780nm
LP800	Near-IR Longpass	820-1100nm	800nm
LP815	Near-IR Longpass	825-1100nm	815nm
LP830	Near-IR Longpass	845-1100nm	830nm
LP850	Near-IR Longpass	870-1100nm	850nm
LP920	Near-IR Longpass	930-1100nm	920nm
LP1000	Near-IR Longpass	1010-1500nm	1000nm

## Shortpass/Near-IR Cut Filters

Part #	Description	Useful Range	Cut-Off WL 50% T
<b>SP SERIES — VIS PASS</b>			
SP510	Blue Shortpass	340-500nm	510nm
SP570	Blue-Green Shortpass	410-560nm	570nm
SP585	Cyan Shortpass	395-575nm	585nm
NF550	Magenta Dichroic (Green Block)	395-475nm, 605-700nm	480 / 590nm (cut-off / cut-on)
<b>SP SERIES — NEAR-IR BLOCK</b>			
SP625	Blue-Orange Shortpass	425-620nm	625nm
SP645	Near-IR/Mid-Red Dichroic Block	400-640nm	645nm
SP650	Near-IR/Mid-Red Dichroic Block	400-640nm	650nm
SP675	Near-IR/Deep Red Dichroic Block	420-660nm	675nm
SP700	Near-IR/UV Block-Visible Shortpass	410-690nm	400 / 700nm (cut-on / cut-off)
SP701	Extended Hot Mirror / Reflects up to 1550nm	410-690nm	400 / 705nm (cut-on / cut-off)
SP705	Near-IR/Deep Red Absorp. Block	370-630nm	705nm
SP730	Near-IR/Colorless Dichroic Block	400-710nm	730nm
SP785	Modified Near-IR Dichroic Block	425-770nm	785nm

## Acrylic Filters

Part #	Description	Useful Range	Cut-on WL 50% T
<b>AC SERIES — ACRYLIC LONGPASS</b>			
AC380	A/R Acrylic Protective Window	450-850nm	380nm
AC685	Acrylic Near-IR Longpass	710-1100nm	685nm
AC760	Acrylic Near-IR Longpass	780-1100nm	760nm

## Polarizing Filters

Part #	Description	Useful Range	Contrast Ratio
<b>POLARIZING FILTERS</b>			
PR032	Linear Polarizer	400-700nm	800:1
PR120	Ultra High Contrast Linear Polarizer	400-700nm	6500:1
PC052	Circular Polarizer	400-700nm	700:1
PI031	NIR/Vis Linear Polarizer, High Extinction	400-2000nm	3000:1
PI035	NIR/Vis Linear Polarizer, High Transmission	400-2000nm	500:1
<b>POLARIZING SHEETS</b>			
PS007	High Contrast Linear Polarizing Film .007" thk	400-700nm	800:1
PS010	High Contrast Linear Polarizing Film .010" thk	400-700nm	3000:1
PS030	Ultra High Contrast Linear Polarizing Film .030" thk	400-700nm	6500:1
HT025	High Temperature Linear Polarizing Film .025" thk	400-700nm	5000:1
PG120	Ultra High Contrast Glass Linear Polarizing Sheet	400-700nm	6500:1
PI005	NIR High Contrast Linear Polarizer Film .007" thk	700-1100nm	1000:1

## Neutral Density Filters

Part #	Description	Useful Range	Optical Density
<b>ND SERIES — VIS</b>			
ND030	Absorptive 50% Transmission	425-675nm	0.3
ND060	Absorptive 25% Transmission	425-675nm	0.6
ND090	Absorptive 12.5% Transmission	425-675nm	0.9
ND120	Absorptive 6.25% Transmission	425-675nm	1.2
ND200	Absorptive 1.0% Transmission	425-675nm	2.0
ND300	Absorptive 0.1% Transmission	425-675nm	3.0
ND400	Absorptive 0.01% Transmission	425-675nm	4.0
<b>NI SERIES — VIS/NIR</b>			
NI030	Low Reflectivity 50% Transmission	400-1100nm	0.3
NI060	Low Reflectivity 25% Transmission	400-1100nm	0.6
NI090	Low Reflectivity 12.5% Transmission	400-1100nm	0.9
NI120	Low Reflectivity 6.25% Transmission	400-1100nm	1.2

## Protective Filters

Part #	Description	Useful Range	Cut-on WL 50% T
<b>LP SERIES — LONGPASS</b>			
LP285	High Transmission Heat Resistant A/R Protective Window	385-1100nm	285nm
LP330	Protective Window	340-1100nm	330nm
LP340	A/R Protective Window	390-800nm	340nm
LP390	UV Absorbing Protective Window	420-1100nm	390nm
LP415	UV Block A/R Protective Window	420-1100nm	415nm
<b>AC SERIES — ACRYLIC LONGPASS</b>			
AC380	A/R Acrylic Protective Window	450-850nm	380nm

## Light Balancing Filters

Part #	Description	Useful Range	Mired Shift Value
LA080	Light Balancing (Minus Blue)	400-700nm	+80
LA120	Light Balancing (Minus Blue)	400-700nm	+120
LB080	Light Balancing (Minus Red)	400-700nm	-80
LB120	Light Balancing (Minus Red)	400-700nm	-120
FL550	Light Balancing (Minus Green)	400-700nm	N/A