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BANDPASS FILTERS

Part #	Description	Useful Range	FWHM (nominal)	*
BP SERIES — BROAD BANDWIDTH (PG. 4)				
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	*
BP485	Absorptive VIS Bandpass/NIR Block	380-585nm	285nm	*
BP500	Green-Blue Bandpass	440-555nm	248nm	*
BP505	Cyan Bandpass	485-550nm	90nm	*
BP525	Light Green Bandpass	500-555nm	80nm	*
PE530	Photopic Response Bandpass	495-565nm	120nm	*
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	*
NEW BP1000	Near-IR Bandpass	935-1030nm	150nm	*
NEW BP1550	Near-IR Bandpass	1485-1625nm	30nm	*
BN SERIES — NARROW BANDWIDTH (PG. 5)				
BN470	Narrow Blue Bandpass	460-490nm	45nm	*
NEW BN520	Narrow Green Bandpass	508-540nm	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	55nm	*
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	*
Bi SERIES — NARROW INTERFERENCE BANDWIDTH (PG. 6)				
Bi405	Violet Interference Bandpass	400-415nm	25nm	
Bi450	Blue Interference Bandpass	445-465nm	35nm	
Bi520	Light Green Interference Bandpass	515-525nm	25nm	
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	
Bi725	Red Edge Bandpass	717-732nm	25nm	
Bi808	Near-IR Interference Bandpass	798-820nm	35nm	
Bi850	Near-IR Interference Bandpass	845-860nm	33nm	
NEW Bi1300	Near-IR Interference Bandpass	1292-1308nm	30nm	
NEW Bi1450	Near-IR Interference Bandpass	1442-1458nm	30nm	
NEW Bi1550	Near-IR Interference Bandpass	1542-1558nm	30nm	

*StableEDGE® Filter Design

Due to continuous product improvement, specifications are subject to change without notice.



PRICE LIST

LONGPASS FILTERS

Part #	Description	Useful Range	Cut-on WL 50% T	*
LP SERIES — LENS PROTECTION (PG. 11)				
LP285	High Transmission Heat Resistant VIS-NIR A/R Protective Window	350-1100nm	285nm	*
LP330	Protective Window	350-1100nm	330nm	*
LP340	A/R Protective Window	350-800nm	340nm	*
LP390	UV Absorbing Protective Window	410-1100nm	390nm	*
LP415	UV Block A/R Protective Window	415-1100nm	415nm	*
LP SERIES — LONGPASS (PG. 12)				
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	*
LP900	Near-IR Longpass	910-1100nm	900nm	*
LP920	Near-IR Longpass	930-1100nm	920nm	*
LP1000	Near-IR Longpass	1010-1500nm	1000nm	*
NEW LP1070	Near-IR Longpass	1100-2100nm	1070nm	*
NEW LP1475	Near-IR Longpass	1500-2300nm	1475nm	*
NEW LP1475A	Near-IR Longpass EXT VIS Block	1500-2300nm	1475nm	*
NEW LP1850	Near-IR Longpass	1900-12,000nm	1850nm	*

SHORTPASS FILTERS

Part #	Description	Useful Range	Cut-off WL 50% T	*
SP SERIES — VIS PASS (PG. 13)				
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)	
SP SERIES — NEAR-IR BLOCK (PG. 13)				
SP625	Blue-Orange Shortpass	425-620nm	625nm	
SP635	Absorptive Visible/Near-IR Block	380-585nm	635nm	*
SP644	Near-IR/Mid-Red Dichroic Block	395-638nm	648nm	
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	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	

MULTI BANDPASS FILTERS

Part #	Description	Useful Range (nm)	FWHM (nominal)	*
DB SERIES — DUAL BANDWIDTH (PG. 7)				
DB395/870	Dual Band Absorp. VIS + NIR	375-425, 745-970	110nm, 375nm	*
DB475/850	Dual Band Blue + 850 NIR	460-490, 830-870	45nm, 55nm	
DB550/850	Dual Band Green + 850nm NIR	535-565, 830-870	40nm, 50nm	
DB660/850	Dual Band Red + 850 NIR	645-675, 830-870	40nm, 50nm	
DB735	Dual Band VIS + 735nm NIR	405-645, 725-755	250nm, 50nm	
DB850	Dual Band VIS + 850nm NIR	405-645, 835-875	250nm, 50nm	
DB940	Dual Band VIS + 940nm NIR	405-650, 925-965	250nm, 60nm	
TB SERIES — TRIPLE BANDWIDTH (PG. 7)				
TB475/550/850	Triple Bandpass Blue + Green + 850nm NIR	468-483, 543-558, 835-865	20nm, 20nm, 40nm	
TB550/660/850	Triple Bandpass Green + Red + 850nm NIR	543-558, 653-668, 835-865	20nm, 20nm, 40nm	

POLARIZING FILTERS & SHEET MATERIAL

Part #	Description	Useful Range	Contrast Ratio (up to)
POLARIZING FILTERS (PG. 9)			
PR032	Linear Polarizer	400-700nm	800:1
PR120	Ultra High Contrast Linear Polarizer	400-700nm	10,000:1
PC052	Circular Polarizer	400-700nm	700:1
Pi031	VIS/NIR Wire Grid Linear Polarizer, High Extinction	400-2000nm	3000:1
Pi035	VIS/NIR Wire Grid Linear Polarizer, High Transmission	400-2000nm	500:1
NEW PR1000	VIS/NIR Wired Linear Polarizer	400-2000nm	8000:1
POLARIZING FILM (PG. 10)			
PS007	High Contrast Linear Film .007" thk	400-700nm	3000:1
PSA007	High Contrast Linear Film .007" thk Self Adhesive	400-700nm	1500:1
PS010	High Contrast Linear Film .010" thk	400-700nm	3000:1
PS030	Ultra High Contrast Linear Film .030" thk	400-700nm	7000:1
HT025	High Temperature Linear Film .025" thk	400-700nm	5000:1
HT008	High Temperature Linear Film .008" thk	400-700nm	10,000:1
HTA008	High Temperature Linear Film .008" thk Self Adhesive	400-700nm	10,000:1
PG120	Ultra High Contrast Glass Linear Film	400-700nm	10,000:1
NEW PS1000	VIS/NIR Wire Grid Linear Polarizer Sheet	400-2000nm	8000:1
NEW PSA1000	VIS/NIR Wire Grid Linear Polarizer Film Self Adhesive	400-2000nm	8000:1
NEW PG1000	VIS/NIR Wire Grid Linear Polarizer Film	400-2000nm	8000:1
Pi005	VIS/NIR Diffuse Reflective Linear Film .005" thk	450-1000nm	500:1

Items highlighted in yellow indicate an update and/or revision

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NEUTRAL DENSITY FILTERS

Part #	Description	Useful Range	Optical Density	*
ND SERIES — VIS (PG. 8)				
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	
Ni SERIES — VIS/NIR (PG. 8)				
Ni030	Low Reflectivity 50% Transmission	400-2000nm	0.3	
Ni060	Low Reflectivity 25% Transmission	400-2000nm	0.6	
Ni090	Low Reflectivity 12.5% Transmission	400-2000nm	0.9	
Ni120	Low Reflectivity 6.25% Transmission	400-2000nm	1.2	
NEW Ni200	Reflectivity 1% Transmission	400-2000	2	

PROTECTIVE FILTERS

Part #	Description	Useful Range	Cut-on WL 50% T	*
LP SERIES — LENS PROTECTION (PG. 11)				
LP285	High Transmission Heat Resistant VIS-NIR A/R Protective Window	350-1100nm	285nm	•
LP330	Protective Window	350-1100nm	330nm	•
LP340	A/R Protective Window	350-800nm	340nm	•
LP390	UV Absorbing Protective Window	410-1100nm	390nm	•
LP415	UV-Block A/R Protective Window	415-1100nm	415nm	•

*StableEDGE® Filter Design

Due to continuous product improvement, specifications are subject to change without notice.

ACRYLIC FILTERS

Part #	Description	Useful Range	Cut-on WL 50% T	*
AB SERIES — ACRYLIC BANDPASS (PG. 11)				
AB555	Acrylic Absorptive NIR/UV-Block	470-645nm	—	•
AC SERIES — ACRYLIC LONGPASS (PG. 11)				
AC370	A/R Acrylic Protective Window	380-850nm	370nm	•
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	•
AC800	Acrylic Near-IR Longpass	815-1100nm	795nm	•
AC850	Acrylic Near-IR Longpass	880-1100nm	855nm	•
AC900	Acrylic Near-IR Longpass	930-1100nm	900nm	•
NEW AC915	Acrylic Near-IR Longpass	1048-1650nm	915nm	•

LIGHT BALANCING FILTERS

Part #	Description	Useful Range	Mired Shift Value	*
LA SERIES — MINUS BLUE (PG. 14)				
LA080	Light Balancing (Minus Blue)	400-700nm	+80	•
LA120	Light Balancing (Minus Blue)	400-700nm	+120	•
LB SERIES — MINUS RED (PG. 14)				
LB080	Light Balancing (Minus Red)	400-700nm	-80	•
LB120	Light Balancing (Minus Red)	400-700nm	-120	•
FL SERIES — MINUS GREEN (PG. 14)				
FL550	Light Balancing (Minus Green)	400-700nm	N/A	•

FILTER KITS

Part #	Description
SK100	Filter Test Kit
FK200-27	Machine Vision Filter Test Kit
FK220-27	BN Series Filter Test Kit
SWATCH FILTER KITS (PG. 16)	
FS100	Machine Vision Swatch Filter Test Kit
NS100	Neutral Density Swatch Filter Test Kit
BINDER FILTER KITS (PG. 17)	
FK100	Machine Vision Binder Filter Test Kit
IK100	NIR Machine Vision Binder Filter Test Kit
NK100	Neutral Density Binder Filter Test Kit

ACCESSORIES

Part #	Description
RA034	Rotating Right Angle Attachment (360°)
RA060	Rotating Right Angle Attachment (360°)
LE100-LP340	Lens Enclosure – Glass Protective Window with A/R coating <i>Includes: LE245-43, LE025-43, LE005-43, LP340-43</i>
LE100-AC380	Lens Enclosure – Acrylic Protective Window with A/R coating <i>Includes: LE245-43, LE025-43, LE005-43, AC380-43</i>
LE245-43	Lens Enclosure Base Mount with built in 5mm spacer
LE005-43	Lens Barrel 5mm
LE010-43	Lens Barrel 10mm
LE025-43	Lens Barrel 25mm
CU700	Close-Up Lens Set
EXT-UL-SET	Extension Rings – 4 Ring Set: 1mm, 5mm, 10mm, 20mm
EXT-S-SET	Extension Rings – 6 Ring Set: 0.5mm, 1mm, 5mm, 10mm, 20mm, 40mm
EXT-size	Extension Ring (Available in 0.5mm, 1mm, 2mm, 5mm, 10mm, 15mm, 20mm, 30mm, 40mm, 50mm, 100mm)
SU*	Step-Up Adapter Rings
SD*	Step-Down Adapter Rings
CK100	Cleaning Kit
CK100-NA	Compact Cleaning Kit (<i>without compressed air</i>)

*Refer to midopt.com for part # size variations



CUSTOM OPTICAL COMPONENTS



BANDPASS FILTERS

UV | VISIBLE | INFRARED

Part # Prefix	25.4 [®]	THREADED FILTER MOUNTS																									
		M13.25	M22.5	M25.5	M27	M30.5	M34	M35.5	M37	M37.5	M39	M40.5	M43	M46	M48	M49	M52	M55	M58	M62	M67	M72	M77	M82	M86	M95	M105
		UNMOUNTED (MM)																									
		10-17.9	18-20.9	21-22.9	23-24.9	25-27.9	28-31.9	32-33.9	34-34.9	35-35.9	36-36.9	37-37.9	38-39.9	40-42.9	43-44.9	45-45.9	46-48.9	49-51.9	52-54.9	55-58.9	59-64.9	65-68.9	69-73.9	74-79.9	80-88.9	89-98.9	99-105
BP250	Call	Call	Call	Call	Call	Call	Call	Call	Call	Call	Call	Call	Call	Call	Call	Call	Call	Call	Call	Call	Call	Call	Call	Call	Call	Call	Call
BP324																											
BP365	147.30	75.00	111.30	111.30	119.50	119.50	130.80	130.80	139.00	139.00	153.00	153.00	153.00	166.80	172.30	172.30	178.00	186.30	194.50	241.80	278.00	311.30	355.80	416.80	480.80	666.80	728.00
BP470																											
BP485																											
BP500	132.50	67.50	100.00	100.00	107.50	107.50	117.50	117.50	125.00	125.00	137.50	137.50	137.50	150.00	155.00	155.00	160.00	167.50	175.00	217.50	250.00	280.00	320.00	375.00	432.50	600.00	655.00
BP505																											
BP525	147.30	75.00	111.30	111.30	119.50	119.50	130.80	130.80	139.00	139.00	153.00	153.00	153.00	166.80	172.30	172.30	178.00	186.30	194.50	241.80	278.00	311.30	355.80	416.80	480.80	666.80	728.00
PE530																											
BP550	132.50	67.50	100.00	100.00	107.50	107.50	117.50	117.50	125.00	125.00	137.50	137.50	137.50	150.00	155.00	155.00	160.00	167.50	175.00	217.50	250.00	280.00	320.00	375.00	432.50	600.00	655.00
BP590	147.30	75.00	111.30	111.30	119.50	119.50	130.80	130.80	139.00	139.00	153.00	153.00	153.00	166.80	172.30	172.30	178.00	186.30	194.50	241.80	278.00	311.30	355.80	416.80	480.80	666.80	728.00
BP635																											
BP660																											
BP695																											
BP735	132.50	67.50	100.00	100.00	107.50	107.50	117.50	117.50	125.00	125.00	137.50	137.50	137.50	150.00	155.00	155.00	160.00	167.50	175.00	217.50	250.00	280.00	320.00	375.00	432.50	600.00	655.00
BP800																											
BP850																											
BP880																											
BP1000 NEW	-	165.00	250.00	250.00	265.00	265.00	285.00	285.00	310.00	310.00	340.00	340.00	340.00	375.00	380.00	380.00	395.00	400.00	415.00	435.00	500.00	560.00	640.00	750.00	865.00	1220.00	1325.00
BP1550 NEW	-	265.00	350.00	350.00	365.00	365.00	385.00	385.00	410.00	410.00	440.00	440.00	440.00	475.00	480.00	480.00	495.00	500.00	515.00	535.00	600.00	660.00	740.00	850.00	965.00	1320.00	1425.00

Unmounted Filter Pricing: Find the diameter or the longest side of a rectangle/square. ADDITIONAL PRICING: Slip Mounts See pg. 20. Custom Filter Sizes Contact MidOpt for custom shapes or sizes larger than 105mm. How to Order See pg. 20.

NARROW BANDPASS FILTERS

VISIBLE | INFRARED

Part # Prefix	25.4° C-Mount	THREADED FILTER MOUNTS																									
		M13.25	M22.5	M25.5	M27	M30.5	M34	M35.5	M37	M37.5	M39	M40.5	M43	M46	M48	M49	M52	M55	M58	M62	M67	M72	M77	M82	M86	M95	M105
		UNMOUNTED (MM)																									
		10-17.9	18-20.9	21-22.9	23-24.9	25-27.9	28-31.9	32-33.9	34-34.9	35-35.9	36-36.9	37-37.9	38-39.9	40-42.9	43-44.9	45-45.9	46-48.9	49-51.9	52-54.9	55-58.9	59-64.9	65-68.9	69-73.9	74-79.9	80-88.9	89-98.9	99-105
BN470																											
BN520 NEW																											
BN532																											
BN595																											
BN630																											
BN650	204.00	104.00	154.00	154.00	165.50	165.50	181.00	181.00	192.50	192.50	211.80	211.80	211.80	231.00	238.50	238.50	246.30	257.80	269.30	334.80	384.80	431.00	492.50	577.00	665.50	923.30	1,007.80
BN660*																											
BN740																											
BN785																											
BN810																											
BN850*																											
BN880	204.00	104.00	154.00	154.00	165.50	165.50	181.00	181.00	192.50	192.50	211.80	211.80	211.80	231.00	238.50	238.50	246.30	257.80	269.30	334.80	384.80	431.00	492.50	577.00	-	-	-
BN940																											

Unmounted Filter Pricing: Find the diameter or the longest side of a rectangle/square. **ADDITIONAL PRICING: Slip Mounts** See pg. 20. **Custom Filter Sizes** Contact MidOpt for custom shapes or sizes larger than 105mm. **How to Order** See pg. 20.

*Not available in 1mm thickness. When ordering with a C-mount order M25.4-SIS (5mm thick mount). See 25.4° C-Mount for pricing.

BANDPASS NARROW INTERFERENCE FILTERS

VISIBLE | INFRARED

Part # Prefix	25.4° C-Mount	THREADED FILTER MOUNTS																										
		M22.5	M25.5	M27	M30.5	M34	M35.5	M37	M37.5	M39	M40.5	M43	M46	M48	M49	M52	M55	M58	M62	M67	M72	M77	M82	M86	M95	M105		
		UNMOUNTED (MM)																										
		10-17.9	18-20.9	21-22.9	23-24.9	25-27.9	28-31.9	32-33.9	34-34.9	35-35.9	36-36.9	37-37.9	38-39.9	40-42.9	43-44.9	45-45.9	46-48.9	49-51.9	52-54.9	55-58.9	59-64.9	65-68.9	69-73.9	74-79.5	-	-	-	
Bi405																												
Bi450																												
Bi520																												
Bi550																												
Bi632																												
Bi650	230.00	131.30	193.80	193.80	209.40	209.40	228.20	228.20	240.70	240.70	265.70	265.70	265.70	290.70	300.00	300.00	309.40	325.00	337.50	412.50	481.30	540.70	618.80	721.90				
Bi660																												
Bi725																										-	-	-
Bi808																												
Bi850																												
Bi1300 <small>NEW</small>																												
Bi1450 <small>NEW</small>	315.00	190.00	275.00	275.00	300.00	300.00	330.00	330.00	340.00	340.00	390.00	390.00	400.00	400.00	460.00	460.00	480.00	480.00	480.00	525.00	625.00	725.00	825.00	1000.00				
Bi1550 <small>NEW</small>																												

Unmounted Filter Pricing: Find the diameter or the longest side of a rectangle/square. ADDITIONAL PRICING: Slip Mounts See pg. 20. Custom Filter Sizes Contact MidOpt for custom shapes or sizes larger than 105mm. How to Order See pg. 20.t



PRICE LIST

Items highlighted in yellow indicate an update and/or revision

DUAL BANDPASS FILTERS

VISIBLE + INFRARED

Part # Prefix	25.4° C-Mount	THREADED FILTER MOUNTS																											
		M13.25	M22.5	M25.5	M27	M30.5	M34	M35.5	M37	M37.5	M39	M40.5	M43	M46	M48	M49	M52	M55	M58	M62	M67	M72	M77	M82	M86	M95	M105		
		UNMOUNTED (MM)																											
		10-17.9	18-20.9	21-22.9	23-24.9	25-27.9	28-31.9	32-33.9	34-34.9	35-35.9	36-36.9	37-37.9	38-39.9	40-42.9	43-44.9	45-45.9	46-48.9	49-51.9	52-54.9	55-58.9	59-64.9	65-68.9	69-73.9	74-79.5	80-88.9	89-98.9	99-105		
DB395/870	132.50	67.50	100.00	100.00	107.50	107.50	117.50	117.50	125.00	125.00	137.50	137.50	137.50	150.00	155.00	155.00	160.00	167.50	175.00	217.50	250.00	280.00	320.00	375.00	432.50	600.00	655.00		
DB475/850																													
DB550/850	210.00	130.00	190.00	190.00	205.00	205.00	225.00	225.00	240.00	240.00	265.00	265.00	280.00	290.00	290.00	290.00	300.00	315.00	320.00	400.00	475.00	540.00	600.00	720.00	-	-	-		
DB660/850																													
DB735																													
DB850	132.50	67.50	100.00	100.00	107.50	107.50	117.50	117.50	125.00	125.00	137.50	137.50	137.50	150.00	155.00	155.00	160.00	167.50	175.00	217.50	250.00	280.00	320.00	375.00	-	-	-		
DB940																													

Unmounted Filter Pricing: Find the diameter or the longest side of a rectangle/square. ADDITIONAL PRICING: Slip Mounts See pg. 20. Custom Filter Sizes Contact MidOpt for custom shapes or sizes larger than 105mm. How to Order See pg. 20.

TRIPLE BANDPASS FILTERS

VISIBLE + INFRARED

Part # Prefix	25.4° C-Mount	THREADED FILTER MOUNTS																											
		M13.25	M22.5	M25.5	M27	M30.5	M34	M35.5	M37	M37.5	M39	M40.5	M43	M46	M48	M49	M52	M55	M58	M62	M67	M72	M77	M82	M86	M95	M105		
		UNMOUNTED (MM)																											
		10-17.9	18-20.9	21-22.9	23-24.9	25-27.9	28-31.9	32-33.9	34-34.9	35-35.9	36-36.9	37-37.9	38-39.9	40-42.9	43-44.9	45-45.9	46-48.9	49-51.9	52-54.9	55-58.9	59-64.9	65-68.9	69-73.9	74-79.5	-	-	-		
TB475/550/850	362.50	212.50	300.00	300.00	335.00	335.00	362.50	362.50	375.00	375.00	425.00	425.00	425.00	475.00	512.50	512.50	525.00	537.50	537.50	612.50	737.50	875.00	1000.00	1125.00	-	-	-		
TB550/660/850																													

Unmounted Filter Pricing: Find the diameter or the longest side of a rectangle/square. ADDITIONAL PRICING: Slip Mounts See pg. 20. Custom Filter Sizes Contact MidOpt for custom shapes or sizes larger than 105mm. How to Order See pg. 20.

NEUTRAL DENSITY FILTERS

VISIBLE | INFRARED

Part # Prefix	25.4 [®] C-Mount	THREADED FILTER MOUNTS																										
		M13.25	M22.5	M25.5	M27	M30.5	M34	M35.5	M37	M37.5	M39	M40.5	M43	M46	M48	M49	M52	M55	M58	M62	M67	M72	M77	M82	M86	M95	M105	
		UNMOUNTED (MM)																										
		10-17.9	18-20.9	21-22.9	23-24.9	25-27.9	28-31.9	32-33.9	34-34.9	35-35.9	36-36.9	37-37.9	38-39.9	40-42.9	43-44.9	45-45.9	46-48.9	49-51.9	52-54.9	55-58.9	59-64.9	65-68.9	69-73.9	74-79.9	80-88.9	89-98.9	99-105	
ND Series – VIS	ND030																											
	ND060	70.00	40.63	50.00	50.00	50.00	62.50	62.50	62.50	62.50	62.50	67.50	67.50	67.50	67.50	67.50	67.50	67.50	67.50	67.50	86.25	106.25	125.00	168.75	212.50	231.25	306.25	362.50
	ND090																											
	ND120																											
	ND200																											
	ND300																											
	ND400	118.75	82.00	95.35	95.35	106.25	106.25	118.75	118.75	118.75	118.75	118.75	118.75	118.75	118.75	118.75	118.75	118.75	118.75	123.50	133.00	156.25	187.50	242.25	297.00	335.95	430.00	515.65
	NDXXX*																											
Ni Series – VIS/NIR	Ni030																											
	Ni060																											
	Ni090	105.00	78.13	88.75	88.75	98.75	98.75	106.25	106.25	106.25	106.25	112.50	112.50	112.50	122.50	130.00	130.00	137.50	145.00	153.75	173.75	212.50	237.50	262.50	300.00	350.00	500.00	550.00
	Ni120																											
	Ni200 NEW																											

Unmounted Filter Pricing: Find the diameter or the longest side of a rectangle/square. **ADDITIONAL PRICING: Slip Mounts** See pg. 20. **Custom Filter Sizes** Contact MidOpt for custom shapes or sizes larger than 105mm. **How to Order** See pg. 20.

*Custom Densities up to 400 OD. Call for optical densities greater than 400.

POLARIZING FILTERS

VISIBLE | INFRARED

Part # Prefix	THREADED FILTER MOUNTS																								
	M22.5	M25.5	M27	M30.5	M34	M35.5	M37	M37.5	M39	M40.5	M43	M46	M48	M49	M52	M55	M58	M62	M67	M72	M77	M82	M86	M95	M105
PR032*	55.00	55.00	55.00	58.75	61.25	61.25	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	75.00	87.50	87.50	100.00	135.00	175.00	237.50	387.50
PR120*	137.50	137.50	142.50	142.50	150.00	150.00	156.25	156.25	156.25	156.25	162.50	162.50	175.00	175.00	175.00	200.00	200.00	206.25	237.50	237.50	300.00	337.50	343.75	375.00	406.25
PC052*	88.75	88.75	97.50	97.50	97.50	97.50	97.50	97.50	97.50	97.50	97.50	97.50	97.50	97.50	97.50	97.50	102.50	115.00	150.00	181.25	212.50	256.25	342.50	447.50	487.50
PI031*	1155.00	1155.00	1155.00	1962.50	1962.50	1962.50	1962.50	1962.50	1962.50	1962.50	Call	Call	Call	Call	Call	Call	Call	Call	Call	Call	Call	Call	Call	Call	Call
PI035*																									
PR1000 NEW	450.00	525.00	550.00	600.00	865.00	865.00	900.00	900.00	950.00	950.00	965.00	985.00	995.00	995.00	1025.00	1095.00	1125.00	1175.00	1565.00	1780.00	1875.00	2000.00	2100.00	-	-

Unmounted Filter Pricing: Find the diameter or the longest side of a rectangle/square. **ADDITIONAL PRICING:** Slip Mounts See pg. 20. Custom Filter Sizes Contact MidOpt for custom shapes or sizes larger than 105mm. **How to Order** See pg. 20.

*Not available in 1mm thickness. When ordering with a C-mount order M25.4-SIS (5mm thick mount). See 25.4® C-Mount for pricing.

POLARIZING SHEET MATERIAL



- Best results are achieved when a polarizing filter is used in conjunction with a polarizing film over the light source
- All visible polarizing sheets are compatible with PR032 and PR120 polarizing filters
- All near-IR polarizing sheets are compatible with Pi031 and Pi035 polarizing filters
- All circular polarizing sheets are compatible with the PC052 polarizing filter
- Can be cut, drilled and custom laser cut to fit most any type of lighting equipment
- Sizes available: maximum width 16.5 inches (419mm), maximum length 300 feet (91.4 meters)

Circular Polarizing Sheet <i>Includes quarter wave plate</i>	Size (inches)	Part #	Price
PCL	4x4	PCL-R100	35.00
Left-Handed .3mm (.012") Thick	6x6	PCL-R152.4	58.75
	8x8	PCL-R203.2	104.00
PCR	4x4	PCR-R100	35.00
Right-Handed .3mm (.012") Thick	6x6	PCR-R152.4	58.75
	8x8	PCR-R203.2	104.00

High Contrast Linear Polarizing Sheet	Size (inches)	Part #	Price
PS007	2x2	PS007-R50	12.50
.18mm Thick .007"	4x4	PS007-R100	20.00
	6x6	PS007-R150	35.00
	8.5x8.5	PS007-R215	40.00
	13x13	PS007-R330	63.75
	16.5x12	PS007-R420x304.8	80.00
	16.5x16.5	PS007-R420	108.75
PSA007	2x2	PSA007-R50	15.30
.18mm Thick .007" Self Adhesive	4x4	PSA007-R100	25.00
	6x6	PSA007-R150	41.70
	8.5x8.5	PSA007-R215	50.00
	13x13	PSA007-R330	94.40
	16.5x12	PSA007-R420x304.8	118.75
	16.5x16.5	PSA007-R420	159.70
PS010	2x2	PS010-R50	13.75
.25mm Thick .010"	4x4	PS010-R100	22.50
	6x6	PS010-R150	37.50
	8.5x8.5	PS010-R215	45.00
	13x13	PS010-R330	85.00
	16.5x12	PS010-R420x304.8	108.75
	16.5x16.5	PS010-R420	143.75
PS030	2x2	PS030-R50	16.25
.76mm Thick .030"	4x4	PS030-R100	25.00
	6x6	PS030-R150	40.00
	8.5x8.5	PS030-R215	47.50
	13x13	PS030-R330	95.00
	16.5x12	PS030-R420x304.8	123.75
	16.5x16.5	PS030-R420	165.00

VIS + NIR Polarizing Filters	Size (inches)	Part #	Price
PS1000	2x2"	PS1000-R50.8	112.50
.005" Thick NEW	5x3.45"	PS1000-R127.5xR88	412.50
	10x3.45"	PS1000-R255X88	825.00
PSA1000	2x2"	PSA1000-R50.8	118.75
.005" Thick NEW	5x3.45"	PSA1000-R127.5xR88	435.00
	10x3.45"	PSA1000-R255X88	868.75
PG1000	2x2"	PG1000-R50.8	985.00
2.3mm Thick NEW	5x3.45"	PG1000-R127.5xR88	3,500.00
	10x3.45"	PG1000-R255X88	7,000.00

High Temperature Ultra High Contrast Glass Linear Polarizing Sheet	Size (inches)	Part #	Price
PG120	2x2	PG120-R50	102.00
2.4mm Thick .095"	4x4	PG120-R100	263.75
	6x6	PG120-R150	465.50
	8.5x8.5	PG120-R215	832.50
	12x2	PG120-R305x51	437.50
	12x12	PG120-R305	1,495.00
High Temperature Linear Polarizing Sheet	Size (inches)	Part #	Price
HT025	2x2	HT025-R50	23.75
.63mm Thick .025"	4x4	HT025-R100	37.50
	6x6	HT025-R150	58.75
	8.5x8.5	HT025-R215	71.25
	13x13	HT025-R330	142.00
	16.5x12	HT025-R420x304.8	183.25
	16.5x16.5	HT025-R420	246.25
HT008	2x2	HT008-R50	28.75
.20mm Thick .008"	4x4	HT008-R100	45.00
	6x6	HT008-R150	72.50
	8.5x8.5	HT008-R215	87.50
	13x13	HT008-R330	175.00
	16.5x12	HT008-R420x304.8	227.50
	16.5x16.5	HT008-R420	300.00
	39x23.5/8	HT008-R990x600	600.00
	HTA008	2x2	HTA008-R50
.20mm Thick .008" Self Adhesive	4x4	HTA008-R100	46.50
	6x6	HTA008-R150	74.50
	8.5x8.5	HTA008-R215	90.00
	13x13	HTA008-R330	180.00
	16.5x12	HTA008-R420x304.8	234.00
	16.5x16.5	HTA008-R420	315.00
	39x23.5/8	HTA008-R990x600	620.00

NIR High Contrast Linear Polarizing Sheet	Size (inches)	Part #	Price
PI005	2x2	Pi005-R50	356.25
.127mm Thick .005"	4x4	Pi005-R100	712.50
	6x6	Pi005-R150	1,068.75
	8.5x8.5	Pi005-R215	1,425.00
	13x13	Pi005-R330	3,337.50

ACRYLIC FILTERS

UV | VISIBLE | INFRARED

AC Series – Acrylic Longpass

Part # Prefix	25.4® C-Mount	THREADED FILTER MOUNTS																									
		M13.25	M22.5	M25.5	M27	M30.5	M34	M35.5	M37	M37.5	M39	M40.5	M43	M46	M48	M49	M52	M55	M58	M62	M67	M72	M77	M82	M86	M95	M105
		UNMOUNTED (MM)																									
		10-17.9	18-20.9	21-22.9	23-24.9	25-27.9	28-31.9	32-33.9	34-34.9	35-35.9	36-36.9	37-37.9	38-39.9	40-42.9	43-44.9	45-45.9	46-48.9	49-51.9	52-54.9	55-58.9	59-64.9	65-68.9	69-73.9	74-79.9	80-88.9	89-98.9	99-105
AB555*	106.00	54.00	80.00	80.00	86.00	86.00	94.00	94.00	100.00	100.00	110.00	110.00	110.00	120.00	124.00	124.00	128.00	134.00	140.00	174.00	200.00	224.00	256.00	300.00	346.00	480.00	524.00
AC370																											
AC380*																											
AC685*																											
AC760*	59.38	35.00	45.00	45.00	45.00	45.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	56.25	70.00	75.00	87.50	95.00	115.00	135.00	162.50	187.50
AC800*																											
AC850*																											
AC900*																											
AC915* NEW	91.50	54.00	69.50	69.50	69.50	69.50	77.00	77.00	77.00	77.00	77.00	77.00	77.00	77.00	77.00	77.00	77.00	77.00	87.00	108.00	115.50	135.00	146.50	177.00	208.00	250.00	288.50

Unmounted Filter Pricing: Find the diameter or the longest side of a rectangle/square. **ADDITIONAL PRICING:** Slip Mounts See pg. 20. **Custom Filter Sizes** Contact MidOpt for custom shapes or sizes larger than 105mm. **How to Order** See pg. 20.
 *Not available in 1mm thickness. When ordering with a C-mount order M25.4-SIS (5mm thick mount). See 25.4® C-Mount for pricing.

LENS PROTECTION FILTERS

UV | VISIBLE

LP Series – Lens Protection

Part # Prefix	25.4® C-Mount	THREADED FILTER MOUNTS																									
		M13.25	M22.5	M25.5	M27	M30.5	M34	M35.5	M37	M37.5	M39	M40.5	M43	M46	M48	M49	M52	M55	M58	M62	M67	M72	M77	M82	M86	M95	M105
		UNMOUNTED (MM)																									
		10-17.9	18-20.9	21-22.9	23-24.9	25-27.9	28-31.9	32-33.9	34-34.9	35-35.9	36-36.9	37-37.9	38-39.9	40-42.9	43-44.9	45-45.9	46-48.9	49-51.9	52-54.9	55-58.9	59-64.9	65-68.9	69-73.9	74-79.9	80-88.9	89-98.9	99-105
LP285	82.50	55.00	81.25	81.25	88.75	88.75	95.00	95.00	95.00	95.00	95.00	95.00	95.00	95.00	95.00	95.00	95.00	95.00	98.75	106.25	125.00	150.00	193.75	225.00	262.50	337.50	400.00
LP330	59.38	35.00	45.00	45.00	45.00	45.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	56.25	70.00	75.00	87.50	95.00	115.00	135.00	162.50	187.50
LP340																											
LP390	82.50	55.00	81.25	81.25	88.75	88.75	95.00	95.00	95.00	95.00	95.00	95.00	95.00	95.00	95.00	95.00	95.00	95.00	98.75	106.25	125.00	150.00	193.75	225.00	262.50	337.50	400.00
LP415																											

Unmounted Filter Pricing: Find the diameter or the longest side of a rectangle/square. **ADDITIONAL PRICING:** Slip Mounts See pg. 20. **Custom Filter Sizes** Contact MidOpt for custom shapes or sizes larger than 105mm. **How to Order** See pg. 20.

LONGPASS FILTERS

VISIBLE | INFRARED

Part # Prefix	25.4® C-Mount	THREADED FILTER MOUNTS																									
		M13.25	M22.5	M25.5	M27	M30.5	M34	M35.5	M37	M37.5	M39	M40.5	M43	M46	M48	M49	M52	M55	M58	M62	M67	M72	M77	M82	M86	M95	M105
		UNMOUNTED (MM)																									
		10-17.9	18-20.9	21-22.9	23-24.9	25-27.9	28-31.9	32-33.9	34-34.9	35-35.9	36-36.9	37-37.9	38-39.9	40-42.9	43-44.9	45-45.9	46-48.9	49-51.9	52-54.9	55-58.9	59-64.9	65-68.9	69-73.9	74-79.9	80-88.9	89-98.9	99-105
LP470																											
LP500																											
LP515																											
LP530																											
LP550																											
LP580																											
LP590	82.50	55.00	81.25	81.25	88.75	88.75	95.00	95.00	95.00	95.00	95.00	95.00	95.00	95.00	95.00	95.00	95.00	95.00	98.75	106.25	125.00	150.00	193.75	225.00	262.50	337.50	400.00
LP610																											
LP630																											
LP645																											
LP665																											
LP695																											
LP715																											
LP780																											
LP800																											
LP815																											
LP830																											
LP850*	132.50	67.50	100.00	100.00	107.50	107.50	117.50	117.50	125.00	125.00	137.50	137.50	137.50	150.00	155.00	155.00	160.00	167.50	175.00	217.50	250.00	280.00	320.00	375.00	432.50	600.00	655.00
LP900																											
LP920																											
LP1000*																											

Unmounted Filter Pricing: Find the diameter or the longest side of a rectangle/square. **ADDITIONAL PRICING: Slip Mounts** See pg. 20. **Custom Filter Sizes** Contact MidOpt for custom shapes or sizes larger than 105mm. **How to Order** See pg. 20.

*Not available in 1mm thickness. When ordering with a C-mount order M25.4-SIS (5mm thick mount). See 25.4® C-Mount for pricing.



PRICE LIST

Items highlighted in yellow indicate an update and/or revision

LIST PRICE US \$ | PAGE 12

LONGPASS FILTERS

Part # Prefix	25.4° C-Mount	THREADED FILTER MOUNTS																											
		M13.25	M22.5	M25.5	M27	M30.5	M34	M35.5	M37	M37.5	M39	M40.5	M43	M46	M48	M49	M52	M55	M58	M62	M67	M72	M77	M82	M86	M95	M105		
		UNMOUNTED (MM)																											
		10-17.9	18-20.9	21-22.9	23-24.9	25-27.9	28-31.9	32-33.9	34-34.9	35-35.9	36-36.9	37-37.9	38-39.9	40-42.9	43-44.9	45-45.9	46-48.9	49-51.9	52-54.9	55-58.9	59-64.9	65-68.9	69-73.9	74-79.9	80-88.9	89-98.9	99-105		
LP1070 <small>NEW</small>	250.00	127.50	187.50	187.50	200.00	200.00	212.50	212.50	237.50	237.50	262.50	262.50	287.50	312.50	325.00	337.50	350.00	350.00	350.00	500.00	625.00	687.50	700.00	1175.00	1212.50	1225.00	1237.50		
LP1475 <small>NEW</small>	212.50	90.00	150.00	150.00	162.50	162.50	175.00	175.00	200.00	200.00	225.00	225.00	250.00	275.00	287.50	300.00	312.50	312.50	312.50	375.00	437.50	475.00	500.00	525.00	562.50	575.00	625.00		
LP1475A <small>NEW</small>	250.00	127.50	187.50	187.50	200.00	200.00	212.50	212.50	237.50	237.50	262.50	262.50	287.50	312.50	325.00	337.50	350.00	350.00	350.00	500.00	625.00	687.50	700.00	1175.00	1212.50	1225.00	1237.50		
LP1850 <small>NEW</small>	875.00	625.00	787.50	787.50	800.00	800.00	825.00	825.00	850.00	850.00	975.00	975.00	1000.00	1062.50	1312.50	1312.50	1562.50	1562.50	1562.50	1625.00	1687.50	2962.50	2962.50	2987.50	3000.00	3062.50	3125.00		

SHORTPASS FILTERS

UV | VISIBLE

Part # Prefix	25.4° C-Mount	THREADED FILTER MOUNTS																											
		M13.25	M22.5	M25.5	M27	M30.5	M34	M35.5	M37	M37.5	M39	M40.5	M43	M46	M48	M49	M52	M55	M58	M62	M67	M72	M77	M82	M86	M95	M105		
		UNMOUNTED (MM)																											
		10-17.9	18-20.9	21-22.9	23-24.9	25-27.9	28-31.9	32-33.9	34-34.9	35-35.9	36-36.9	37-37.9	38-39.9	40-42.9	43-44.9	45-45.9	46-48.9	49-51.9	52-54.9	55-58.9	59-64.9	65-68.9	69-73.9	74-79.9	80-88.9	89-98.9	99-105		
SP510																													
SP570																													
SP585	132.50	67.50	100.00	100.00	107.50	107.50	117.50	117.50	125.00	125.00	137.50	137.50	137.50	150.00	155.00	155.00	160.00	167.50	175.00	217.50	250.00	280.00	320.00	375.00	432.50	600.00	655.00		
NF550																													
SP625																													
SP635																													
SP644	132.50	67.50	100.00	100.00	107.50	107.50	117.50	117.50	125.00	125.00	137.50	137.50	137.50	150.00	155.00	155.00	160.00	167.50	175.00	217.50	250.00	280.00	320.00	375.00	-	-	-		
SP645																													
SP650																													
SP675																													
SP700	132.50	67.50	100.00	100.00	107.50	107.50	117.50	117.50	125.00	125.00	137.50	137.50	137.50	150.00	155.00	155.00	160.00	167.50	175.00	217.50	250.00	280.00	320.00	375.00	432.50	600.00	655.00		
SP701																													
SP705																													
SP730																													
SP785																													

Unmounted Filter Pricing: Find the diameter or the longest side of a rectangle/square. **ADDITIONAL PRICING: Slip Mounts** See pg. 20. **Custom Filter Sizes** Contact MidOpt for custom shapes or sizes larger than 105mm. **How to Order** See pg. 20.

LIGHT BALANCING FILTERS

Part # Prefix		THREADED FILTER MOUNTS																									
		M13.25	M22.5	M25.5	M27	M30.5	M34	M35.5	M37	M37.5	M39	M40.5	M43	M46	M48	M49	M52	M55	M58	M62	M67	M72	M77	M82	M86	M95	M105
		UNMOUNTED (MM)																									
		10-17.9	18-20.9	21-22.9	23-24.9	25-27.9	28-31.9	32-33.9	34-34.9	35-35.9	36-36.9	37-37.9	38-39.9	40-42.9	43-44.9	45-45.9	46-48.9	49-51.9	52-54.9	55-58.9	59-64.9	65-68.9	69-73.9	74-79.9	80-88.9	89-98.9	99-105
LA Series	LA080																										
	LA120																										
LB Series	LB080																										
	LB120	55.00	81.25	81.25	88.75	88.75	95.00	95.00	95.00	95.00	95.00	95.00	95.00	95.00	95.00	95.00	95.00	95.00	98.75	106.25	125.00	150.00	193.75	225.00	262.50	337.50	400.00
FL Series	FL550																										

Unmounted Filter Pricing: Find the diameter or the longest side of a rectangle/square. **ADDITIONAL PRICING: Slip Mounts** See pg. 20. **Custom Filter Sizes** Contact MidOpt for custom shapes or sizes larger than 105mm. **How to Order** See pg. 20.

FILTER KITS: BP SERIES & BN SERIES

FK200-27 MACHINE VISION FILTER TEST KIT

Ten most popular UV, Visible and NIR machine vision filters. For lenses with M25.5, M27 and M30.5 threads.

FK200-27	Machine Vision Filter Test Kit Includes:
● BP324-27	Near-UV Bandpass
● BP470-27	Blue Bandpass
● BP505-27	Cyan Bandpass
● BP525-27	Light Green Bandpass
○ BP550-27	Near-IR/UV-Block Visible Bandpass
● BP590-27	Orange Bandpass
● BP635-27	Light Red Bandpass
● BP660-27	Dark Red Bandpass
● BP850-27	Near-IR Bandpass
● PR032-27	Linear Polarizer
● PS007-R125x95	Polarizing Film 125mm x 95mm
○ SU25.5-27	M25.5 Step-Up Adapter
○ SD30.5-27	M30.5 Step-Down Adapter
Price	812.50



M27 Filters and Step Adapters



Polarizing Film For Light Source



Microfiber Cloth



Compact 5" x 7" Design with easy-to-track filter slots



Educational Material, Technical Data and Transmission Curves

FK220-27 BN SERIES FILTER TEST KIT

Reduced bandwidth design for further spectral separation. Recommended for situations where ambient light can be overwhelming. For lenses with M25.5, M27 and M30.5 threads.

FK220-27	BN Series Filter Test Kit Includes:
● BN470-27	Narrow Blue Bandpass
● BN532-27	Narrow Green Bandpass
● BN595-27	Narrow Orange Bandpass
● BN630-27	Narrow Light Red Bandpass
● BN660-27	Narrow Dark Red Bandpass
● BN740-27	Narrow Near-IR Bandpass
● BN810-27	Narrow Near-IR Bandpass
● BN850-27	Narrow Near-IR Bandpass
● BN940-27	Narrow Near-IR Bandpass
● PR032-27	Linear Polarizer
● PS030-R125x95	Ultra High Contrast Polarizing Film 125mm x 95mm
○ SU25.5-27	M25.5 Step-Up Adapter
○ SD30.5-27	M30.5 Step-Down Adapter
Price	1200.00



M27 Filters and Step Adapters



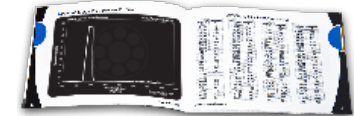
Polarizing Film For Light Source



Microfiber Cloth



Compact 5" x 7" Design with easy-to-track filter slots



Educational Material, Technical Data and Transmission Curves

FILTER KITS: SK100 & SWATCH

SK100 FILTER TEST KIT

The Ultimate Filter Kit

The SK100 includes 70 pieces of M27 size filters for UV, VIS and NIR imaging; making it the ultimate resource for testing the effects of color and wavelength when evaluating image quality.

Filter categories included:

Bandpass; Dual Bandpass; Longpass; Neutral Density; Shortpass; Polarizing; Light Balancing, Protective and Acrylic

Kit Includes:

- 27mm threaded mount filters
- Step adapters to fit most M25.5 and M30.5 lenses
- Polarizing Film for light source (125 x 95mm)
- Educational material on optical filters and technical specs for each filter
- Sturdy case for protective storage



FILTER SWATCH TEST KITS

- QR code to link filter specifications
- Larger size 43mm diameter filters
- Filter transmission curve
- Available: FS100 and NS100

SK100 Filter Test Kit Includes:					
● BP324	● BP850	● BN940	● LP715	● ND400	● PC052
● BP365	● BP880	● Bi632	● LP780	● SP510	● PS030
● BP470	● BN470	● Bi660	● LP830	● SP585	● LA080
● BP505	● BN532	● DB735	● LP850	● NF550	● LA120
● BP525	● BN595	● DB850	● LP920	● SP625	● LB080
○ BP550	● BN630	● DB940	● LP1000	● SP645	● LB120
● BP590	● BN660	○ LP330	● ND030	● SP675	● FL550
● BP635	● BN740	○ LP340	● ND060	● SP701	○ AC380
● BP660	● BN785	○ LP415	● ND090	● SP705	● AC685
● BP695	● BN810	● LP550	● ND120	● SP730	● AC760
● BP735	● BN850	● LP590	● ND200	● SP785	○ SU25.5-27
● BP800	● BN880	● LP695	● ND300	● PR032	○ SD30.5-27
Price					7500.00

FS100 Machine Vision Swatch Kit Includes:	
● BP324	Near-UV Bandpass
● BP470	Blue Bandpass
● BP505	Cyan Bandpass
● BP525	Light Green Bandpass
○ BP550	Near-IR/UV-Block Visible Bandpass
● BP590	Orange Bandpass
● BP635	Light Red Bandpass
● BP660	Dark Red Bandpass
● BP850	Near-IR Bandpass
● PR032	Linear Polarizer
Price	875.00

NS100 Neutral Density Swatch Kit Includes:	
● ND030	Neutral Density, Absorp. OD = 0.3 (50% trans.)
● ND060	Neutral Density, Absorp. OD = 0.6 (25% trans.)
● ND090	Neutral Density, Absorp. OD = 0.9 (12.5% trans.)
● ND120	Neutral Density, Absorp. OD = 1.2 (6.25% trans.)
● ND200	Neutral Density, Absorp. OD = 2.0 (1.0 % trans.)
● ND300	Neutral Density, Absorp. OD = 3.0 (0.1 % trans.)
● ND400	Neutral Density, Absorp. OD = 4.0 (0.01 % trans.)
Price	695.00

FILTER KITS: BINDER

Binder Kits Available in Threaded Filter Mount Sizes: M22.5 to M105
See charts below for individual filter kit contents



Part # Prefix	THREADED FILTER MOUNTS																								
	M22.5 Set	M25.5 Set	M27 Set	M30.5 Set	M34 Set	M35.5 Set	M37 Set	M37.5 Set	M39 Set	M40.5 Set	M43 Set	M46 Set	M48 Set	M49 Set	M52 Set	M55 Set	M58 Set	M62 Set	M67 Set	M72 Set	M77 Set	M82 Set	M86 Set	M95 Set	M105 Set
FK100	833.75	833.75	917.50	972.50	1028.75	1056.25	1111.25	1111.25	1153.75	1153.75	1181.25	1236.25	1292.50	1292.50	1333.75	1390.00	1528.75	1806.25	2153.75	2431.25	2847.50	3265.00	3681.25	5347.50	5903.75
BK100																									
UK100																									
IK100	556.25	556.25	597.50	640.00	681.25	708.75	765.00	765.00	792.50	792.50	820.00	861.25	903.75	903.75	945.00	1042.50	1181.25	1390.00	1736.25	2015.00	2431.25	2847.50	3195.00	4931.25	5486.25
NK100																									

FK100 -size	Machine Vision Filter Kit* Includes:
● BP324	Near-UV Bandpass
● BP470	Blue Bandpass
● BP525	Light Green Bandpass
○ BP550	Near-IR/UV-Block Visible Bandpass
● BP590	Orange Bandpass
● BP635	Light Red Bandpass
● BP660	Dark Red Bandpass
● BP850	Near-IR Bandpass
● LA120	Light Balancing (Minus Blue)
● PR032	Linear Polarizer
Polarizing Sheet 4.5" x 5"	

BK100 -size	Bandpass Filter Kit Includes:
● BP365	Near-UV Bandpass
● BP470	Blue Bandpass
● BP525	Light Green Bandpass
● BP590	Orange Bandpass
● BP635	Light Red Bandpass
● BP660	Dark Red Bandpass
● BP695	Near-IR Bandpass
● BP735	Near-IR Bandpass
● BP800	Near-IR Bandpass
● BP880	Near-IR Bandpass

UK100 -size	UV Fluorescence Filter Kit Includes:
● BP324	Near-UV Bandpass
● BP365	Near-UV Bandpass
● BP470	Blue Bandpass
● BP525	Light Green Bandpass
● BP590	Orange Bandpass
○ LP415	UV Block

IK100 -size	NIR Filter Kit Includes:
● LP695	Near-IR Longpass
● LP780	Near-IR Longpass
● BP800	Near-IR Longpass
● BP850	Near-IR Longpass
● LP920	Near-IR Longpass
● LP1000	Near-IR Longpass

NK100 -size	Neutral Density Filter Kit Includes:
● ND030	Neutral Density, Absorp. OD = 0.3 (50% trans.)
● ND060	Neutral Density, Absorp. OD = 0.6 (25% trans.)
● ND090	Neutral Density, Absorp. OD = 0.9 (12.5% trans.)
● ND120	Neutral Density, Absorp. OD = 1.2 (6.25% trans.)
● ND200	Neutral Density, Absorp. OD = 2.0 (1.0 % trans.)
● ND300	Neutral Density, Absorp. OD = 3.0 (0.1 % trans.)
● ND400	Neutral Density, Absorp. OD = 4.0 (0.01 % trans.)

*Step-Up & Step-Down Adapter Rings for M25.5 & M30.5 threaded lenses are included in all M27 Filter Kits

ACCESSORIES



Step-Up Rings

Filter and Lens Size Versatility

- Use larger diameter filters on lenses with smaller diameter filter threads
- Often mandatory for shorter focal length lenses in order to prevent vignetting

Step-Down Rings

Filter and Lens Size Versatility

- Use smaller diameter filters on lenses with larger diameter filter threads
- The diameter of the filter or lighting to which step-down rings are coupled will be much smaller than the diameter of the lens (often resulting in vignetting)

Step Adapters - Step-Up

Part #	Price	Part #	Price	Part #	Price
SU25.5-27	30.00	SU46-55	25.00	SU67-82	45.00
SU25.5-37	25.00	SU46-58	25.00	SU67-95	45.00
SU25.5-30.5	25.00	SU49-52	25.00	SU67-105	45.00
SU25.5-46	25.00	SU49-55	25.00	SU72-77	45.00
SU27-30.5	30.00	SU49-58	25.00	SU72-82	45.00
SU27-37	25.00	SU52-55	25.00	SU72-95	45.00
SU27-40.5	60.00	SU52-58	25.00	SU72-105	45.00
SU27-46	25.00	SU52-62	25.00	SU77-82	45.00
SU30.5-37	25.00	SU52-67	25.00	SU77-95	45.00
SU30.5-46	25.00	SU52-72	25.00	SU77-105	45.00
SU34-37	25.00	SU52-77	25.00	SU82-95	45.00
SU34-46	25.00	SU55-58	25.00	SU82-105	45.00
SU35.5-37	25.00	SU55-62	25.00	SU86-95	45.00
SU37-43	25.00	SU55-72	25.00	SU86-105	45.00
SU37-46	25.00	SU58-62	25.00		
SU37-49	25.00	SU58-67	25.00		
SU37-52	25.00	SU62-67	25.00		
SU40.5-46	25.00	SU62-77	45.00		
SU40.5-49	25.00	SU62-82	45.00		
SU43-46	25.00	SU67-72	45.00		
SU46-49	25.00	SU67-77	45.00		
SU46-52	25.00				

Step Adapters - Step-Down

Part #	Price	Part #	Price
SD27-25.5	30.00	SD58-55	25.00
SD30.5-27	30.00	SD62-46	25.00
SD34-30.5	30.00	SD62-49	25.00
SD40.5-37	25.00	SD62-52	25.00
SD43-37	25.00	SD62-55	25.00
SD46-37	25.00	SD62-58	25.00
SD46-40.5	25.00	SD67-52	45.00
SD46-43	25.00	SD67-55	45.00
SD49-37	25.00	SD67-58	45.00
SD49-46	25.00	SD67-62	45.00
SD49-48	25.00	SD72-55	45.00
SD52-46	25.00	SD72-58	45.00
SD52-48	25.00	SD72-62	45.00
SD52-49	25.00	SD72-67	45.00
SD55-46	25.00	SD77-62	45.00
SD55-48	25.00	SD77-67	45.00
SD55-49	25.00	SD77-72	45.00
SD55-52	25.00	SD82-67	45.00
SD58-46	25.00	SD82-72	45.00
SD58-52	25.00	SD82-77	45.00
		SD95-82	45.00

ACCESSORIES



Extension Rings

Decrease Minimum Object Distance

- Increase magnification for close-up applications
- Available as a 6 Ring Set **EXT-S-SET**, 4 Ring Set **EXT-UL-SET** and individual sizes; 0.5mm-100mm

Part #	Description	Price
EXT-S-SET	6-Ring Set: 0.5mm, 1mm, 5mm, 10mm, 20mm, 40mm	88.75
EXT-UL-SET	4-Ring Set: 1mm, 5mm, 10mm, 20mm	58.00
EXT-0.5	0.5mm	7.50
EXT-1.0	1mm	7.50
EXT-2.0	2mm	16.25
EXT-5.0	5mm	20.00
EXT-10.0	10mm	21.00
EXT-15.0	15mm	27.50
EXT-20.0	20mm	32.50
EXT-30.0	30mm	37.50
EXT-40.0	40mm	37.50
EXT-50.0	50mm	50.00
EXT-100.0	100mm	100.00



Rotating Right Angle Attachments

View at a 90° angle

- Permits viewing at a 90° angle
- Attachments can be adapted to smaller lenses by using step-up rings

Part #	Price
RA034-22.5	230.00
RA034-25.5	230.00
RA034-27	230.00
RA034-30.5	230.00
RA034-34	230.00
RA034-35.5	230.00
RA034-37	230.00
RA034-37.5	230.00
RA034-40.5	230.00
RA034-43	230.00
RA034-46	230.00
RA060-49	230.00
RA060-52	230.00
RA060-58	230.00
RA060-62	230.00



Close-Up Lenses

Increase Focus Distance

- Consists of +1, +2 and +4 diopter lenses
- Available from stock, mounted in threaded, black anodized aluminum rings

Part #	Price
CU700-25.5	89.95
CU700-27	89.95
CU700-30.5	89.95
CU700-34	89.95
CU700-35.5	89.95
CU700-37	89.95
CU700-37.5	89.95
CU700-40.5	89.95
CU700-43	89.95
CU700-46	89.95
CU700-49	89.95
CU700-52	99.95
CU700-55	109.95
CU700-58	129.95
CU700-62	149.95

Part #	Price
CK100	60.00
CK100-NA	42.00
POC1	12.50



Lens Enclosure

Protect Your Lens

- Tamper and dust proof
- Fits most CS mount cameras
- Anti-reflection coated to maximize transmission
- Equipped with a built-in 5mm spacer to adapt C-Mount lenses
- Easy to clean

Enclosure Window Options:

Part #	Description	Price
LE100-LP340	Includes LE245-43, LE025-43, LE005-43, LE010-43 and LP340-43 <i>Glass window with an anti-reflection coating.</i>	156.25
LE100-AC380	Includes LE245-43, LE025-43, LE005-43, LE010-43 and AC380-43 <i>Anti-abrasion acrylic window with an anti-reflection coating, approved for FDA applications.</i>	131.25

Both sets include the following extension tubes:

* Tubes are stackable. Additional extension tubes in the sizes below are available and can be purchased individually to accommodate longer lenses.

Part #	Description	Price
LE245-43	Enclosure mount with built in 5 mm spacer <i>Lens Enclosure Base</i>	37.50
LE005-43	Lens Barrel 5mm	25.00
LE010-43	Lens Barrel 10mm	25.00
LE025-43	Lens Barrel 25mm	30.00

NOW AVAILABLE:

Custom adapters available for various C-mount camera models. Contact us for details.




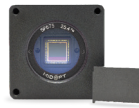


Cleaning Kit

For all Optics, Lenses and Lighting

CK100 Contents: Compressed Air Duster, Glass Surface Cleaner, Premium Grade Optical Tissue, Microfiber Cleaning Cloth and Cotton Swabs.

CK100-NA available in a compact version for easy storage and international shipping. Compressed Air Duster is not included. **POC1** -

HOW TO ORDER

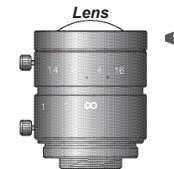
1 Select a Filter (Part # Prefix)	2 Choose Mounting Solution	3 Determine Size (Part # Suffix)	4 Place Order (Final Part #)
BP470 BP470 Blue Bandpass	 Threaded Mount <ul style="list-style-type: none"> Designed for lenses with filter threads Stocked sizes: M22.5 – M58 M62 – M105 are made to order & not returnable Custom thread sizes available 	<ul style="list-style-type: none"> Select mount size from price chart Add part suffix from chart at right <i>Example: M27</i> 	BP470-27
	 25.4[®] C-Mount <ul style="list-style-type: none"> Exclusively designed by Midopt to thread directly into any C-Mount Camera between the lens and sensor Custom installation wrench included Standard Filter thickness: 1mm 	<ul style="list-style-type: none"> 25.4[®] C-Mount camera thread size = M25.4 	BP470-25.4
	 Unmounted (Filter, No Mount) <ul style="list-style-type: none"> Available for any filter type Custom shapes & sizes available Typically fabricated with 1-2 weeks Call for unique-shape pricing 	<ul style="list-style-type: none"> Use "D" Add diameter <i>Example: 19 mm</i> 	BP470-D19
	 Slip Mount <ul style="list-style-type: none"> For lenses without filter threads Accommodates threaded filter mounts Locking set screws to secure the mount adapter to the lens Custom Machined Non-returnable 	<ul style="list-style-type: none"> Use "R" Add measurement of longest side x shortest side <i>Example: 30x15 mm</i> 	BP470-R30x15
		<ul style="list-style-type: none"> Use "R" Add side measurement <i>Example: 30 mm</i> 	BP470-R30
		<ul style="list-style-type: none"> Use "S" for Slip Mount Measure the outside diameter of the lens <i>Example: 42 mm</i> 	BP470-S42

25.4[™] C-Mount

Thread Size	Part # Suffix	Pitch	External Diameter (mm)	Aperture Diameter (mm)
M13.25	-13.25	P0.5	14.4	10.6
M22.5	-22.5	P0.5	24	18.5
M25.4	-25.4	P32TPI	25.2	19.5
M25.5	-25.5	P0.5	27.5	21
M27	-27	P0.5	29	22.5
M30.5	-30.5	P0.5	32.5	25.5
M34	-34	P0.5	36	29
M35.5	-35.5	P0.5	37.5	30.5
M37	-37	P0.75	39	31.9
M37.5	-37.5	P0.5	39.5	32.5
M39	-39	P0.5	41	34
M40.5	-40.5	P0.5	42.5	35.5
M43	-43	P0.75	45	38
M46	-46	P0.75	48	41
M48	-48	P0.75	50	43
M49	-49	P0.75	51	44
M52	-52	P0.75	54	47
M55	-55	P0.75	57	50
M58	-58	P0.75	60	52.9
M62	-62	P0.75	64	57.1
M67	-67	P0.75	70	61.8
M72	-72	P0.75	75	66.9
M77	-77	P0.75	80	71.9
M82	-82	P0.75	85	76.8
M86	-86	P1.0	89	80.8
M95	-95	P1.0	98.2	89.9
M105	-105	P1.0	109.8	100

SLIP MOUNT PRICING

Threaded Filter Mount



- Choose a filter
- Match the outside diameter of your lens with the range listed below
- Find the price for the corresponding Threaded Filter Mount size
- Total Price = Threaded Mount Price + Slip Mount Price

Outside Diameter Range (mm)	M12 13.2-14.2	M12 14.3-15.0	15.1-19.0	19.1-26.5	26.6-31.9	32.0-40.9	41.0-50.9	51.0-57.9	58.0-68.0	68.1-79.0	79.1-101.0
Threaded Filter Mount Size	S14A*	S15A*	M22.5	M30.5	M40.5	M46	M55	M62	M72	M82	M105
Slip Mount	20.00	20.00	50.00	50.00	50.00	50.00	62.50	62.50	75.00	87.50	112.50

Linear polarizers used in conjunction with slip mounts will be placed in a fixed mount. When ordering the "R" in the part # will become "L" ex: PL032. For proper orientation, rotate the slip mount prior to securing to the lens; *For S14A & S15A mounted filter pricing, refer to M13.25 filter price column.



MidOpt.com offers an easy way to build filter part #'s for all mounting solutions
See individual filter pages online

RETURN POLICY

Our goal is to provide high quality products. If you are dissatisfied with your purchase, you may return it to Midwest Optical Systems within 30 days of the ship date. Claims for missing items or items damaged in transit must be received within two business days of receipt of merchandise.

You have the option to exchange the item(s) or receive a credit or refund for the full amount of the item purchased. Refunds for returned items will be issued in the same payment form as tendered at the time of purchase. If payment was made by credit card, once we receive the product we will credit your account. Please allow 7-10 days for a credit to appear on your credit card statement.

Please read all conditions below. If conditions are not met, Midwest Optical Systems reserves the right to refuse the return or to charge a 25% restocking fee.

How to Return or Exchange an Item

In order to return an item you need to first obtain an RMA (Return Merchandise Authorization) number

- To request an RMA number, email us at rma@midopt.com
- To request an RMA number by phone, call Customer Service at 847-359-3550
- Place the original package into a shipping carton.
- Please do not place stickers or shipping labels on the original manufacturer's packaging.
- The RMA number must be clearly written on the outside of the shipping carton.
- Ship via insured ground service with a tracking number. Return shipping charges are the responsibility of the customer. MidOpt is not responsible for lost or damaged packages.

Send pre-authorized returns to:

Midwest Optical Systems
322 Woodwork Ln
Palatine, IL 60067 USA

Warranty

Manufacturer warrants all components against defects in materials and workmanship for 24-months from the date of shipment. Manufacturer's liability under this warranty is limited solely to the Manufacturer's option of replacing, repairing or issuing credit in the amount of the purchase price of such product.

Rules

- All returned or exchanged items must be in new resalable condition, in their original box, and must include all packing material.
- Defective items may be repaired or exchanged at MidOpt's discretion for the same model or manufacturer's equivalent model.
- RMA numbers are valid for 10 days.
- Midwest Optical Systems is not responsible for any consequential or incidental damage resulting from the sale or use of any merchandise bought from us. MidOpt is responsible for the monetary value of the merchandise only.

No Return / Exchange / Cancellation

- Custom size filters
- Filters 67mm in diameter or greater
- Non-stocked items
- Custom Optics
- Slip mounts
- Orders exceeding quantities of 50 pieces

Evaluation Policy

- Any stock lens, light or filter under 67mm in diameter may be evaluated for a period of 30 days.
- Customer must issue a PO or place a credit card on file to evaluate a product. New customers must first obtain credit approval (3rd party shipping is preferred).
- If merchandise is not returned within the 30-day evaluation period, customer will be charged the entire amount of the item.
- In the event the item is returned after the 30-day evaluation period, a 25% restocking fee will be applied.
- Items must be returned in original packaging and resalable condition.
- Ship via insured ground service with a tracking number. Return shipping charges are the responsibility of the customer. MidOpt is not responsible for lost or damaged packages.

Filter Performance

The performance of a filter is based on what happens to light passing through the filter. The apparent color of light reflected off the surface is not a reliable way to judge the filter's capabilities. Batch-to-batch difference in the apparent color of the coatings or filter substrates can often be easily seen when looking at two examples of the same filter type. The color of the coating does not indicate a disparity in performance. Standard surface quality for most filters is 40/20 scratch/dig. Filters 62mm and greater have a surface quality tolerance of 60/40 scratch/dig.