

STOCK SIZES AND FILTER TYPES

202007

Thread Diameter x Pitch [mm]	C-MOUNT																Recommended Filters		
	M2.5x0.5	M2.5x0.5	M2.7x0.5	M3.0x0.5	M3.0x0.5	M3.5x0.5	M3.7x0.5	M3.7x0.5	M4.0x0.5	M4.0x0.5	M4.5x0.75	M4.5x0.75	M5.0x0.75	M5.0x0.75	M5.5x0.75	M5.5x0.75			
External Ø	25.4	24	27.5	29	32.5	36	37	39	39.5	42	45	48	51	54	57	60	65	Suggested use/ Applications	
Aperture Ø	19.5	18.5	21	23	26.5	30	31.5	33	33.5	36	39.5	41.5	44.5	47.5	50.5	53.5	57.5		⊙ - Generally Not Recommended
PART NUMBER																			
FILTER TYPE	PREFIX	SUFFIX																	
FILTER KITS																			
Machine Vision Filter Kit	FK100																		Laboratory Tool
Infrared Filter Kit	IK100																		Laboratory Tool
UV Fluorescence Filter Kit	UK100																		Laboratory Tool
Bandpass Filter Kit	BK100																		Laboratory Tool
PROTECTIVE/UV BLOCK FILTERS																			
Protective Window (Scratch Resist. Acrylic)	AC390																		FDA Applications
Protective Window (A/R coated)	LP340																		AR coat Protective window
Protective Window (UV Absorbing)	LP390																		Protective window
UV Dichroic Blocking	LP415																		Block all UV
UV and Near IR Blocking	BP560																		Block infrared-UV
NEUTRAL DENSITY FILTERS																			
Neutral Density OD = 0.3 (50% transmission)	ND030																		Reduce Light
Neutral Density OD = 0.6 (25% transmission)	ND060																		Reduce Light
Neutral Density OD = 0.9 (12% transmission)	ND090																		Reduce Light
Neutral Density OD = 1.2 (6% transmission)	ND120																		Viewing into lamps
POLARIZING FILTERS																			
Linear Polarizer, Rotating (w/locking screw)	PR032																		Reduce glare
Circular Polarizer	PC052																		Autofocus lenses
Linear Polarizing Sheet	PS032																		Mount over lighting
Infrared Linear Polarizer	PI035																		Reduce IR glare
LIGHT BALANCING FILTERS (FOR COLOR)																			
Light Balancing (Minus Blue)	LA080																		Correct White LED color
Light Balancing (Minus Blue +)	LA120																		Correct halogen lamp color
Light Balancing (Minus Red)	LB080																		Correct fluorescent lamp color
Light Balancing (Minus Red +)	LB120																		Correct fluorescent lamp color
Light Balancing (Minus Green)	FL560																		Correct fluorescent lamp color
LONGPASS/COLOR FILTERS																			
Light Yellow Longpass - 470nm	LP470																		
Yellow Longpass - 500nm	LP500																		Block blue/UV light
Yellow-Orange Longpass - 515nm	LP515																		Block blue/UV light
Orange Longpass - 530nm	LP530																		
Orange Longpass - 550nm	LP550																		
Red-Orange Longpass - 580nm	LP580																		
Red Longpass - 590nm	LP590																		
Red Longpass - 610nm	LP610																		
Red Longpass - 630nm	LP630																		
Dark Red Longpass - 645nm	LP645																		
SHORTPASS/COLOR FILTERS																			
Blue Dichroic Shortpass - 505nm	SP510																		Gold/Silver sorting
Blue Green Dichroic Shortpass - 570nm	SP570																		Block orange & red light
Cyan Dichroic Shortpass - 585nm	SP585																		Block red & IR light
Blue - Orange Dichroic Shortpass - 625nm	SP625																		Block deep red/NIR
Magenta Dichroic (Green Block) - 465/625nm	NF550																		Block green light
COLOR BANDPASS FILTERS																			
Blue Bandpass - UV Block - 465nm	BP465																		
Blue Bandpass - UV Block - 470nm	BP470																		Blue LEDs/fluorescence
Green-Blue Bandpass - 500 nm	BP500																		⊙
Light Green Bandpass - 525nm	BP525																		Green LEDs/fluorescence
Green Bandpass - 530nm	BP530																		⊙
Green Dichroic Bandpass - 535nm	BP535																		
Orange Bandpass - 590nm	BP590																		Amber LEDs/fluorescence
Light Red Bandpass - 635nm	BP635																		High Power Red LEDs
Dark Red Bandpass - 660nm	BP660																		Darker Red LEDs
INFRARED PASS/VISIBLE BLOCK FILTERS																			
IR Longpass - 695nm	LP695																		IR LEDs - 720nm
IR Longpass - 715nm	LP715																		
IR Longpass - 780nm	LP780																		IR Diode - 810nm
IR Longpass - 830nm	LP830																		IR Photography
IR Longpass - 850nm	LP850																		
IR Dichroic Longpass - 920nm	LP920																		IR LEDs - 940nm
IR Longpass - 1000nm	LP1000																		R Vidicon/InGaAs Cameras
IR Bandpass - 695nm	BP695																		NIR Fluorescence
IR Bandpass - 735nm	BP735																		IR LEDs - 735nm
IR Bandpass - 800nm	BP800																		Best for THIN filters
IR Bandpass - 850nm	BP850																		Hi Power IR LEDs - 850nm
IR Bandpass - 880nm	BP880																		IR LEDs - 880nm
INFRARED BLOCK/VISIBLE PASS FILTERS																			
NIR and UV Blocking - Pass 400-730nm	BP560																		Color Applications
Red/NIR Dichroic Blocking - 625nm	SP625																		
Mid-Red/NIR Dichroic Blocking - 645nm	SP645																		Excellent IR - mid-red blocking
Deep Red/NIR Dichroic Blocking - 675nm	SP675																		Excellent IR - deep-red blocking
Hot Mirror/NIR Dichroic Blocking - 700nm	SP700																		Std. IR blocking - monochrome
Deep Red/NIR Blocking - 705nm	SP705																		⊙
Hot Mirror/NIR Colorless Blocking - 730nm	SP730																		Std. IR blocking - color
Modified IR Dichroic Blocking - 785nm	SP785																		
UV BANDPASS FILTERS																			
Broadband UV Bandpass - 250nm	BP250																		Deep Broadband UV Imaging
UV A+B Bandpass - 324nm	BP324																		UV Imaging
Blacklite/UV A Bandpass - 365nm	BP365																		UV Imaging/UV lighting filter
Deep Blue/UV Bandpass - 435nm	BP435																		⊙

* Wavelength indicated is 50% point of cut-on for longpass and 50% cut-off for shortpass filters. Bandpass filters are named according to center wavelength.

NOTE: Colors shown are approximate color of filter as seen in transmission. Other filter types/sizes/mounts not listed above, unmounted filters and slip-mount filters for lenses without threads are also available.

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