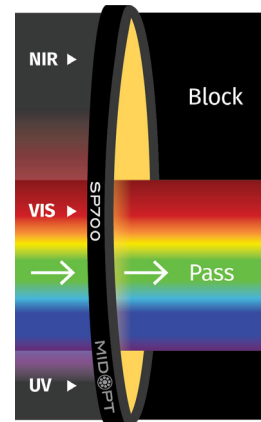
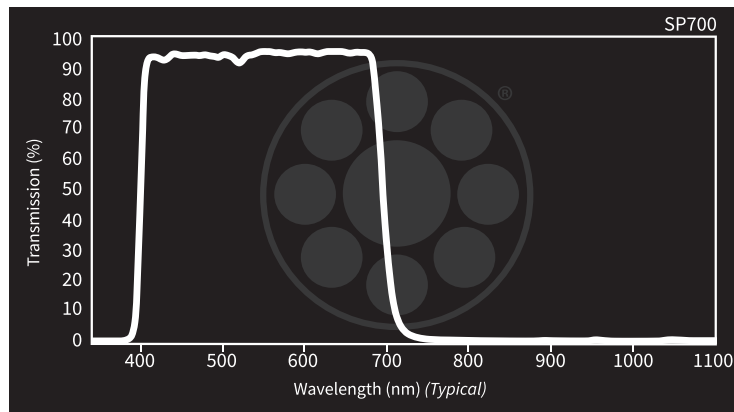


# SP700 NEAR-IR/UV BLOCK-VISIBLE SHORTPASS FILTER

MIDOPT.COM  
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**MIDOPT**<sup>®</sup>  
MIDWEST OPTICAL SYSTEMS, INC.



$A/R$  Anti-Reflection Coated |  $40/20$  40/20 Scratch/Dig

Useful Range: 410-690nm | Cut-off Wavelength 50% T : 400 / 700nm (cut-on / cut-off) | Tolerance: +/-10nm |  
Peak Transmission: ≥90% | Surface Quality: 40/20

Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)
1100	0.31	940	0.10	780	0.33	620	94.38	460	93.73
1090	0.25	930	0.03	770	0.47	610	94.59	450	93.76
1080	0.23	920	0.09	760	0.55	600	94.80	440	94.10
1070	0.26	910	0.10	750	0.70	590	94.86	430	92.02
1060	0.39	900	0.04	740	1.09	580	94.29	420	93.07
1050	0.57	890	0.20	730	1.88	570	94.70	410	92.83
1040	0.40	880	0.14	720	3.87	560	94.85	400	49.84
1030	0.16	870	0.14	710	10.55	550	94.99	390	2.19
1020	0.09	860	0.03	700	31.93	540	94.37	380	0.38
1010	0.05	850	0.03	690	71.92	530	93.57	370	0.04
1000	0.05	840	0.03	680	93.43	520	91.21	360	0.12
990	0.03	830	0.06	670	94.69	510	93.23	350	0.02
980	0.07	820	0.09	660	94.60	500	93.89		
970	0.13	810	0.11	650	94.69	490	93.34		
960	0.47	800	0.13	640	94.82	480	93.85		
950	0.28	790	0.19	630	94.87	470	93.72		

## Filter Mount & Size Options

### Threaded Mount



For lenses with filter threads; Mount sizes M13.25 - M105

Part #	Thread Dia x Pitch	Part #	Thread Dia x Pitch
SP700-13.25	M13.25 x P0.5	SP700-46	M46 x P0.75
SP700-22.5	M22.5 x P0.5	SP700-48	M48 x P0.75
SP700-25.4 <sup>®</sup> (C-Mount)	M25.4 x P32TPI	SP700-49	M49 x P0.75
SP700-25.5	M25.5 x P0.5	SP700-52	M52 x P0.75
SP700-27	M27 x P0.5	SP700-55	M55 x P0.75
SP700-30.5	M30.5 x P0.5	SP700-58	M58 x P0.75
SP700-34	M34 x P0.5	SP700-62	M62 x P0.75
SP700-35.5	M35.5 x P0.5	SP700-67	M67 x P0.75
SP700-37	M37 x P0.75	SP700-72	M72 x P0.75
SP700-37.5	M37.5 x P0.5	SP700-77	M77 x P0.75
SP700-39	M39 x P0.5	SP700-82	M82 x P0.75
SP700-40.5	M40.5 x P0.5	SP700-86	M86 x P1.0
SP700-43	M43 x P0.75	SP700-95	M95 x P1.0
		SP700-105	M105 x P1.0

### 25.4<sup>™</sup> C-Mount



Threads between lens and sensor

**Part #: SP700-25.4**

### Slip Mount



- Designed for lenses without filter threads, varifocal and wide-angle lenses
- Includes locking set screws to secure adapter to lens

**Create Part # -**

Use "S" and add the outside diameter of lens in mm (ex: 43mm)

*Example: SP700-S43*

### Unmounted



**Create Part# -**

**CIRCLE:** Use "D" and add diameter in mm (ex: 19mm).  
*Example: SP700-D19*

**RECTANGLE:** Use "R" and add length in mm (ex: 30mm) x width in mm (ex: 15mm). *Example: SP700-R30x15*

**SQUARE:** Use "R" and add side measurement in mm (ex: 15mm). *Example: SP700-R15*