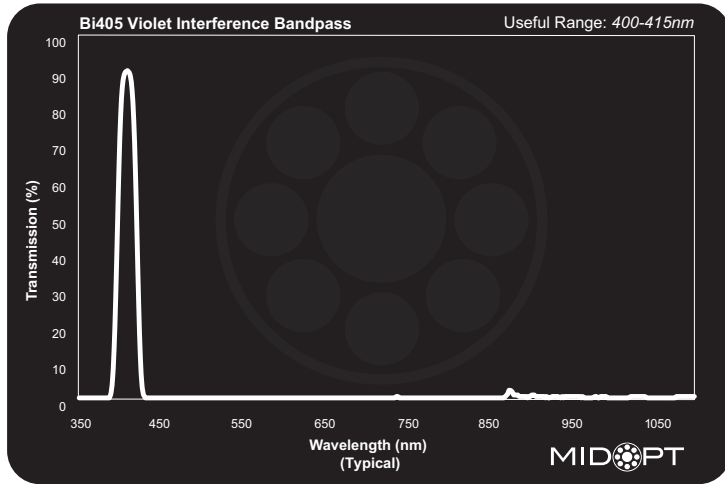
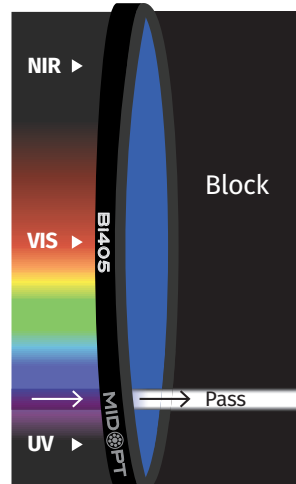


Bi405 VIOLET INTERFERENCE BANDPASS

WWW.MIDOPT.COM
INFO@MIDOPT.COM



Bi405 Violet Interference Bandpass filters can be beneficial in removing ambient light in order to image subjects illuminated with 405nm laser diodes. 405nm wavelength is commonly used in Blu-ray applications similar to blacklite filters. This filter is also used in fluorescence applications.



Useful Range: 400-415nm

FWHM: 25nm

Peak Transmission: ≥85%

Surface Quality: 40/20

FILTER MOUNT & SIZE OPTIONS

Threaded Mount



For lenses with filter threads; Mount Sizes M13.25 - M82

Part #	Thread Dia x Pitch	Part #	Thread Dia x Pitch
Bi405-13.25	M13.25 x P0.5	Bi405-43	M43 x P0.75
Bi405-22.5	M22.5 x P0.5	Bi405-46	M46 x P0.75
Bi405-25.4	M25.4 x P32TPI	Bi405-48	M48 x P0.75
Bi405-25.5	M25.5 x P0.5	Bi405-49	M49 x P0.75
Bi405-27	M27 x P0.5	Bi405-52	M52 x P0.75
Bi405-30.5	M30.5 x P0.5	Bi405-55	M55 x P0.75
Bi405-34	M34 x P0.5	Bi405-58	M58 x P0.75
Bi405-35.5	M35.5 x P0.5	Bi405-62	M62 x P0.75
Bi405-37	M37 x P0.75	Bi405-67	M67 x P0.75
Bi405-37.5	M37.5 x P0.5	Bi405-72	M72 x P0.75
Bi405-39	M39 x P0.5	Bi405-77	M77 x P0.75
Bi405-40.5	M40.5 x P0.5	Bi405-82	M82 x P0.75

25.4™ C-Mount



Threads between lens and sensor

Part #: Bi405-25.4

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: Bi405-S43

Unmounted

Custom shapes & sizes available

Create Part

CIRCLE: Use "D" and add diameter in mm (ex: 19mm)

Example: Bi405-D19

RECTANGLE: Use "R" and add length in mm (ex: 30mm) x width in mm (ex: 15mm)

Example: Bi405-R30x15

SQUARE: Use "R" and add side measurement in mm (ex: 15mm)

Example: Bi405-R15

Bi405 DATA POINTS (TYPICAL)

Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)
1100	0.24	910	0.34	720	0.04	530	0.10
1090	0.36	900	0.54	710	0.05	520	0.10
1080	0.26	890	0.38	700	0.12	510	0.07
1070	0.17	880	0.93	690	0.15	500	0.04
1060	0.14	870	0.57	680	0.11	490	0.05
1050	0.13	860	0.10	670	0.05	480	0.07
1040	0.21	850	0.02	660	0.06	470	0.06
1030	0.37	840	0.02	650	0.04	460	0.05
1020	0.16	830	0.02	640	0.03	450	0.12
1010	0.13	820	0.05	630	0.06	440	0.05
1000	0.19	810	0.11	620	0.06	430	0.20
990	0.22	800	0.08	610	0.03	420	44.67
980	0.23	790	0.04	600	0.07	410	89.84
970	0.20	780	0.03	590	0.04	400	77.67
960	0.28	770	0.06	580	0.14	390	4.75
950	0.31	760	0.06	570	0.07	380	0.04
940	0.20	750	0.04	560	0.06	370	0.02
930	0.39	740	0.20	550	0.09	360	0.03
920	0.26	730	0.10	540	0.14	350	0.09

*Due to continuous product improvement, specifications are subject to change without notice. For the most up-to-date information visit www.midopt.com