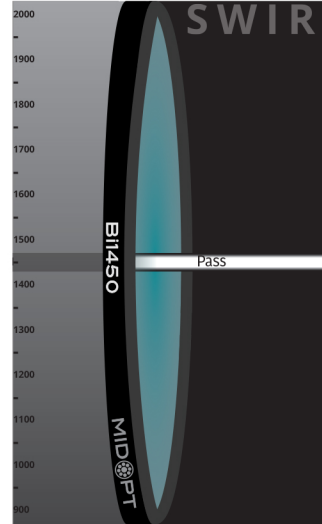
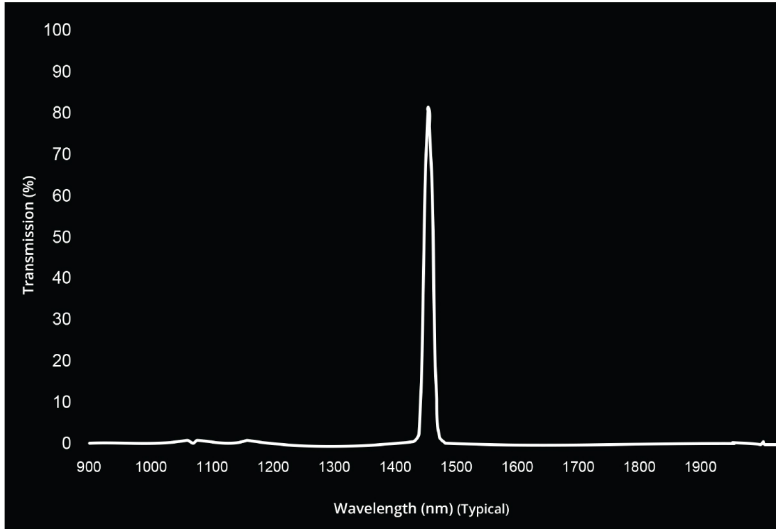


Bi1450 SWIR Narrow Bandpass Filter

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When used the InGaAs, NIRQD or infrared vidicon cameras, these filters are ideal for isolating the 1450nm region to analyze water stress in crops by measuring reflectance; 1450nm LED detection; alignment of 1450nm laser diodes used in laser rangefinders, non-ablative cosmetic skin resurfacing, LIDAR and free space optical communications; and for other scientific applications involving spectral analysis.

Useful Range: 1455-1465nm
FWHM: 20nm +/- 7nm
Peak Transmission: ≥80%
Surface Quality: 60/40

Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)	Wavelength (nm)	Transmission (%)
900	0.16	1140	0.00	1380	0.01	1620	0.00	1860	0.08
910	0.11	1150	0.02	1390	0.01	1630	0.00	1870	0.05
920	0.07	1160	0.57	1400	0.01	1640	0.00	1880	0.01
930	0.07	1170	0.42	1410	0.01	1650	0.07	1890	0.12
940	0.03	1180	0.03	1420	0.01	1660	0.12	1900	0.15
950	0.04	1190	0.01	1430	0.06	1670	0.20	1910	0.19
960	0.03	1200	0.00	1440	1.08	1680	0.09	1920	0.11
970	0.02	1210	0.00	1450	37.56	1690	0.21	1930	0.11
980	0.02	1220	0.01	1460	81.33	1700	0.15	1940	0.09
990	0.01	1230	0.01	1470	32.13	1710	0.12	1950	0.04
1000	0.01	1240	0.02	1480	1.10	1720	0.18	1960	0.14
1010	0.01	1250	0.00	1490	0.07	1730	0.16	1970	0.05
1020	0.02	1260	0.00	1500	0.02	1740	0.12	1980	0.14
1030	0.01	1270	0.00	1510	0.01	1750	0.18	1990	0.13
1040	0.01	1280	0.02	1520	0.01	1760	0.20	2000	0.01
1050	0.00	1290	0.05	1530	0.01	1770	0.19	2010	0.12
1060	0.57	1300	0.08	1540	0.01	1780	0.11	2020	0.05
1070	0.28	1310	0.01	1550	0.01	1790	0.12	2030	0.02
1080	0.39	1320	0.01	1560	0.01	1800	0.06	2040	0.01
1090	0.39	1330	0.00	1570	0.00	1810	0.08	2050	0.03
1100	0.02	1340	0.01	1580	0.02	1820	0.06	2060	0.26
1110	0.00	1350	0.01	1590	0.00	1830	0.15	2070	0.15
1120	0.01	1360	0.00	1600	0.01	1840	0.08	2080	0.03
1130	0.00	1370	0.01	1610	0.00	1850	0.08	2090	0.36

Threaded Mount



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

Part #	Thread Dia x Pitch	Part #	Thread Dia x Pitch
Bi1450-13.25	M13.25 x P0.5	Bi1450-46	M46 x P0.75
Bi1450-22.5	M22.5 x P0.5	Bi1450-48	M48 x P0.75
Bi1450-25.4	M25.4 x P32TPI	Bi1450-49	M49 x P0.75
Bi1450-25.5	M25.5 x P0.5	Bi1450-52	M52 x P0.75
Bi1450-27	M27 x P0.5	Bi1450-55	M55 x P0.75
Bi1450-30.5	M30.5 x P0.5	Bi1450-58	M58 x P0.75
Bi1450-34	M34 x P0.5	Bi1450-62	M62 x P0.75
Bi1450-35.5	M35.5 x P0.5	Bi1450-67	M67 x P0.75
Bi1450-37	M37 x P0.75	Bi1450-72	M72 x P0.75
Bi1450-37.5	M37.5 x P0.5	Bi1450-77	M77 x P0.75
Bi1450-39	M39 x P0.5	Bi1450-82	M82 x P0.75
Bi1450-40.5	M40.5 x P0.5	Bi1450-86	M86 x P1.0
Bi1450-43	M43 x P0.75	Bi1450-95	M95 x P1.0
		Bi1450-105	M105 x P1.0

25.4™ C-Mount



Threads between lens and sensor

Part #: Bi1450-25.4

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: Bi1450-S43

Unmounted

Custom shapes & sizes available

Create Part

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

Example: Bi1450-D19

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

Example: Bi1450-R30x15

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

Example: Bi1450-R15