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TECHSPEC® Hard Coated OD 4.0 50nm Bandpass Filters



- High Transmission, Deep Blocking
- Broad Bandwidths Ideal for Imaging Applications
- Available in VIS and IR Center Wavelengths
- [Hard Coated OD 4.0 10nm](#) and [25nm](#) Bandpass Filters Also Available

Common Specifications

Physical & Mechanical Properties

Construction: Mounted in Black Anodized Ring	Physical Durability: Adhesion per MIL-PRF-13830B, Section C.4.5.12 Moderate abrasion per MIL-PRF-13830B, Section C.4.5.11 Cleaning per MIL-C-48497A Section 4.5.4.2
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Optical Properties

Angle of Incidence (°): 0	Bandwidth (nm): 45
Optical Density OD (Average): ≥ 4.0	Substrate: Optical Glass
Coating: Hard Coated	Surface Quality: 80-50

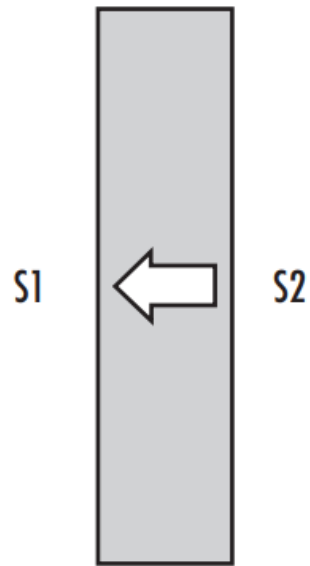
Threading & Mounting

Mount Thickness (mm): 5.0 $\pm$ 0.1
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Environmental & Durability Factors

Environmental Durability: Humidity per MIL-STD-810H, Section 507.6 Temperature per MIL-STD-810H, Section 501.7 and 502.7
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Technical Information



All mounted TECHSPEC® Optical Filters have an arrow on the side of the mount that points to the filter-coated surface for quick reference. Filter oriented such that arrow points to filter coated surface S1. Anti-reflective (AR) coating is applied to S2.

Products

Dia. (mm)	CWL (nm)	FWHM (nm)	Minimum Transmission (%)	Blocking Wavelength Range (nm)	Stock Number	Price	Buy
12.50	300.00	50.00	≥60	200 - 1200	#12-088	€191,00 Qty 6+ €151,00	In Stock
25.00	300.00	50.00	≥60	200 - 1200	#12-093	€276,00 Qty 6+ €216,00	In Stock
50.00	300.00	50.00	≥60	200 - 1200	#12-097	€644,00 Qty 6+ €508,00	3-4 days
12.50	325.00	50.00	>80	200 - 1200	#12-089	€191,00 Qty 6+ €151,00	3-4 days
25.00	325.00	50.00	>80	200 - 1200	#12-094	€276,00 Qty 6+ €216,00	3-4 days
50.00	325.00	50.00	>80	200 - 1200	#12-098	€644,00 Qty 6+ €508,00	3-4 days
12.50	350.00	50.00	>90	200 - 1200	#12-090	€191,00 Qty 6+ €151,00	In Stock
25.00	350.00	50.00	>90	200 - 1200	#12-095	€276,00 Qty 6+ €216,00	3-4 days
50.00	350.00	50.00	>90	200 - 1200	#12-099	€644,00 Qty 6+ €508,00	In Stock
12.50	375.00	50.00	>90	200 - 1200	#12-091	€191,00 Qty 6+ €151,00	3-4 days
25.00	375.00	50.00	>90	200 - 1200	#12-096	€276,00 Qty 6+ €216,00	3-4 days
50.00	375.00	50.00	>90	200 - 1200	#12-100	€644,00 Qty 6+ €508,00	In Stock
12.50	400.00	50.00	≥90	200 - 1200	#84-769	€173,00 Qty 6+ €137,00	In Stock
25.00	400.00	50.00	≥90	200 - 1200	#84-781	€259,00 Qty 6+ €204,00	3-4 days
50.00	400.00	50.00	≥90	200 - 1200	#84-793	€616,00 Qty 6+ €487,00	3-4 days
12.50	425.00	50.00	≥90	200 - 1200	#86-937	€173,00 Qty 6+ €137,00	3-4 days

25.00	425.00	50.00	≥90	200 - 1200	#86-949	€259,00 Qty 6+ €204,00	3-4 days
50.00	425.00	50.00	≥90	200 - 1200	#86-961	€616,00 Qty 6+ €487,00	3-4 days
12.50	450.00	50.00	≥90	200 - 1200	#84-770	€173,00 Qty 6+ €137,00	In Stock
25.00	450.00	50.00	≥90	200 - 1200	#84-782	€259,00 Qty 6+ €204,00	3-4 days
50.00	450.00	50.00	≥90	200 - 1200	#84-794	€616,00 Qty 6+ €487,00	In Stock
12.50	475.00	50.00	≥90	200 - 1200	#86-938	€173,00 Qty 6+ €137,00	3-4 days
25.00	475.00	50.00	≥90	200 - 1200	#86-950	€259,00 Qty 6+ €204,00	In Stock
50.00	475.00	50.00	≥90	200 - 1200	#86-962	€616,00 Qty 6+ €487,00	3-4 days
12.50	500.00	50.00	≥90	200 - 1200	#84-771	€173,00 Qty 6+ €137,00	3-4 days
25.00	500.00	50.00	≥90	200 - 1200	#84-783	€259,00 Qty 6+ €204,00	3-4 days
50.00	500.00	50.00	≥90	200 - 1200	#84-795	€616,00 Qty 6+ €487,00	3-4 days
12.50	525.00	50.00	≥90	200 - 1200	#86-939	€173,00 Qty 6+ €137,00	3-4 days
25.00	525.00	50.00	≥90	200 - 1200	#86-951	€259,00 Qty 6+ €204,00	3-4 days
50.00	525.00	50.00	≥90	200 - 1200	#86-963	€616,00 Qty 6+ €487,00	In Stock
12.50	550.00	50.00	≥90	200 - 1200	#84-772	€173,00 Qty 6+ €137,00	In Stock
25.00	550.00	50.00	≥90	200 - 1200	#84-784	€259,00 Qty 6+ €204,00	3-4 days
50.00	550.00	50.00	≥90	200 - 1200	#84-796	€616,00 Qty 6+ €487,00	In Stock
12.50	575.00	50.00	≥90	200 - 1200	#86-940	€173,00 Qty 6+ €137,00	In Stock
25.00	575.00	50.00	≥90	200 - 1200	#86-952	€259,00 Qty 6+ €204,00	3-4 days

50.00	575.00	50.00	≥90	200 - 1200	#86-964	€616,00 Qty 6+ €487,00	3-4 days
12.50	600.00	50.00	≥90	200 - 1200	#84-773	€173,00 Qty 6+ €137,00	In Stock
25.00	600.00	50.00	≥90	200 - 1200	#84-785	€259,00 Qty 6+ €204,00	Contact Us
50.00	600.00	50.00	≥90	200 - 1200	#84-797	€616,00 Qty 6+ €487,00	3-4 days
12.50	625.00	50.00	≥90	200 - 1200	#86-941	€173,00 Qty 6+ €137,00	3-4 days
25.00	625.00	50.00	≥90	200 - 1200	#86-953	€259,00 Qty 6+ €204,00	In Stock
50.00	625.00	50.00	≥90	200 - 1200	#86-965	€616,00 Qty 6+ €487,00	3-4 days
12.50	650.00	50.00	≥90	200 - 1200	#84-774	€173,00 Qty 6+ €137,00	In Stock
25.00	650.00	50.00	≥90	200 - 1200	#84-786	€259,00 Qty 6+ €204,00	In Stock
50.00	650.00	50.00	≥90	200 - 1200	#84-798	€616,00 Qty 6+ €487,00	3-4 days
12.50	675.00	50.00	≥90	200 - 1200	#86-942	€173,00 Qty 6+ €137,00	3-4 days
25.00	675.00	50.00	≥90	200 - 1200	#86-954	€259,00 Qty 6+ €204,00	Contact Us
50.00	675.00	50.00	≥90	200 - 1200	#86-966	€616,00 Qty 6+ €487,00	3-4 days
12.50	700.00	50.00	≥90	200 - 1200	#84-775	€173,00 Qty 6+ €137,00	Contact Us
25.00	700.00	50.00	≥90	200 - 1200	#84-787	€259,00 Qty 6+ €204,00	3-4 days
50.00	700.00	50.00	≥90	200 - 1200	#84-799	€616,00 Qty 6+ €487,00	Contact Us
12.50	725.00	50.00	≥90	200 - 1200	#86-943	€191,00 Qty 6+ €151,00	In Stock
25.00	725.00	50.00	≥90	200 - 1200	#86-955	€276,00 Qty 6+ €216,00	In Stock
50.00	725.00	50.00	≥90	200 - 1200	#86-967	€644,00 Qty 6+ €508,00	3-4 days

12.50	750.00	50.00	≥90	200 - 1200	#84-776	€191,00 Qty 6+ €151,00	3-4 days
25.00	750.00	50.00	≥90	200 - 1200	#84-788	€276,00 Qty 6+ €216,00	3-4 days
50.00	750.00	50.00	≥90	200 - 1200	#84-800	€644,00 Qty 6+ €508,00	3-4 days
12.50	775.00	50.00	≥90	200 - 1200	#86-944	€191,00 Qty 6+ €151,00	In Stock
25.00	775.00	50.00	≥90	200 - 1200	#86-956	€276,00 Qty 6+ €216,00	3-4 days
50.00	775.00	50.00	≥90	200 - 1200	#86-968	€644,00 Qty 6+ €508,00	3-4 days
12.50	800.00	50.00	≥90	200 - 1200	#84-777	€191,00 Qty 6+ €151,00	3-4 days
25.00	800.00	50.00	≥90	200 - 1200	#84-789	€276,00 Qty 6+ €216,00	3-4 days
50.00	800.00	50.00	≥90	200 - 1200	#84-801	€644,00 Qty 6+ €508,00	3-4 days
12.50	825.00	50.00	≥90	200 - 1200	#86-945	€191,00 Qty 6+ €151,00	In Stock
25.00	825.00	50.00	≥90	200 - 1200	#86-957	€276,00 Qty 6+ €216,00	In Stock
50.00	825.00	50.00	≥90	200 - 1200	#86-969	€644,00 Qty 6+ €508,00	3-4 days
12.50	850.00	50.00	≥90	200 - 1200	#84-778	€191,00 Qty 6+ €151,00	3-4 days
25.00	850.00	50.00	≥90	200 - 1200	#84-790	€276,00 Qty 6+ €216,00	In Stock
50.00	850.00	50.00	≥90	200 - 1200	#84-802	€644,00 Qty 6+ €508,00	3-4 days
12.50	875.00	50.00	≥90	200 - 1200	#86-946	€191,00 Qty 6+ €151,00	3-4 days
25.00	875.00	50.00	≥90	200 - 1200	#86-958	€276,00 Qty 6+ €216,00	3-4 days
50.00	875.00	50.00	≥90	200 - 1200	#86-970	€644,00 Qty 6+ €508,00	3-4 days
12.50	900.00	50.00	≥90	200 - 1200	#84-779	€191,00 Qty 6+ €151,00	In Stock

25.00	900.00	50.00	≥90	200 - 1200	#84-791	€276,00 Qty 6+ €216,00	3-4 days
50.00	900.00	50.00	≥90	200 - 1200	#84-803	€644,00 Qty 6+ €508,00	3-4 days
12.50	925.00	50.00	≥90	200 - 1200	#86-947	€191,00 Qty 6+ €151,00	3-4 days
25.00	925.00	50.00	≥90	200 - 1200	#86-959	€276,00 Qty 6+ €216,00	3-4 days
50.00	925.00	50.00	≥90	200 - 1200	#86-971	€644,00 Qty 6+ €508,00	3-4 days
12.50	950.00	50.00	≥90	200 - 1200	#84-780	€191,00 Qty 6+ €151,00	In Stock
25.00	950.00	50.00	≥90	200 - 1200	#84-792	€276,00 Qty 6+ €216,00	3-4 days
50.00	950.00	50.00	≥90	200 - 1200	#84-804	€644,00 Qty 6+ €508,00	3-4 days
12.50	975.00	50.00	≥90	200 - 1200	#86-948	€191,00 Qty 6+ €151,00	3-4 days
25.00	975.00	50.00	≥90	200 - 1200	#86-960	€276,00 Qty 6+ €216,00	In Stock
50.00	975.00	50.00	≥90	200 - 1200	#86-972	€644,00 Qty 6+ €508,00	3-4 days
12.50	1,000.00	50.00	≥90	200 - 1500	#85-880	€225,00 Qty 6+ €201,00	3-4 days
25.00	1,000.00	50.00	≥90	200 - 1500	#85-892	€334,00 Qty 6+ €263,00	3-4 days
50.00	1,000.00	50.00	≥90	200 - 1500	#85-904	€800,00 Qty 6+ €704,00	3-4 days
12.50	1,025.00	50.00	>90	200 - 1500	#87-847	€225,00 Qty 6+ €201,00	In Stock
25.00	1,025.00	50.00	>90	200 - 1500	#87-860	€337,00 Qty 6+ €302,00	3-4 days
50.00	1,025.00	50.00	>90	200 - 1500	#87-873	€800,00 Qty 6+ €704,00	3-4 days
12.50	1,050.00	50.00	≥90	200 - 1500	#85-881	€225,00 Qty 6+ €201,00	3-4 days
25.00	1,050.00	50.00	≥90	200 - 1500	#85-893	€337,00 Qty 6+ €302,00	3-4 days

50.00	1,050.00	50.00	≥90	200 - 1500	#85-905	€800,00 Qty 6+ €704,00	3-4 days
12.50	1,075.00	50.00	>90	200 - 1500	#87-848	€225,00 Qty 6+ €201,00	3-4 days
25.00	1,075.00	50.00	>90	200 - 1500	#87-861	€337,00 Qty 6+ €302,00	In Stock
50.00	1,075.00	50.00	>90	200 - 1500	#87-874	€800,00 Qty 6+ €704,00	In Stock
12.50	1,100.00	50.00	≥90	200 - 1500	#85-882	€225,00 Qty 6+ €201,00	In Stock
25.00	1,100.00	50.00	≥90	200 - 1500	#85-894	€337,00 Qty 6+ €302,00	3-4 days
50.00	1,100.00	50.00	≥90	200 - 1500	#85-906	€800,00 Qty 6+ €704,00	3-4 days
12.50	1,125.00	50.00	>90	200 - 1500	#87-849	€225,00 Qty 6+ €201,00	Contact Us
25.00	1,125.00	50.00	>90	200 - 1500	#87-862	€337,00 Qty 6+ €302,00	3-4 days
50.00	1,125.00	50.00	>90	200 - 1500	#87-875	€800,00 Qty 6+ €704,00	3-4 days
12.50	1,150.00	50.00	≥90	200 - 1500	#85-883	€225,00 Qty 6+ €201,00	3-4 days
25.00	1,150.00	50.00	≥90	200 - 1500	#85-895	€337,00 Qty 6+ €302,00	3-4 days
50.00	1,150.00	50.00	≥90	200 - 1500	#85-907	€800,00 Qty 6+ €704,00	3-4 days
12.50	1,175.00	50.00	>90	200 - 1500	#87-850	€225,00 Qty 6+ €201,00	3-4 days
25.00	1,175.00	50.00	>90	200 - 1500	#87-863	€337,00 Qty 6+ €302,00	3-4 days
50.00	1,175.00	50.00	>90	200 - 1500	#87-876	€800,00 Qty 6+ €704,00	3-4 days
12.50	1,200.00	50.00	≥90	200 - 1500	#85-884	€225,00 Qty 6+ €201,00	In Stock
25.00	1,200.00	50.00	≥90	200 - 1500	#85-896	€337,00 Qty 6+ €302,00	3-4 days
50.00	1,200.00	50.00	≥90	200 - 1500	#85-908	€800,00 Qty 6+ €704,00	3-4 days

12.50	1,225.00	50.00	>90	200 - 1800	#87-851	€225,00 Qty 6+ €201,00	3-4 days
25.00	1,225.00	50.00	>90	200 - 1800	#87-864	€337,00 Qty 6+ €302,00	3-4 days
50.00	1,225.00	50.00	>90	200 - 1800	#87-877	€800,00 Qty 6+ €704,00	3-4 days
12.50	1,250.00	50.00	≥90	200 - 1800	#85-885	€225,00 Qty 6+ €201,00	3-4 days
25.00	1,250.00	50.00	≥90	200 - 1800	#85-897	€337,00 Qty 6+ €302,00	3-4 days
50.00	1,250.00	50.00	≥90	200 - 1800	#85-909	€800,00 Qty 6+ €704,00	3-4 days
12.50	1,275.00	50.00	>90	200 - 1800	#87-852	€225,00 Qty 6+ €201,00	3-4 days
25.00	1,275.00	50.00	>90	200 - 1800	#87-865	€337,00 Qty 6+ €302,00	3-4 days
50.00	1,275.00	50.00	>90	200 - 1800	#87-878	€800,00 Qty 6+ €704,00	3-4 days
12.50	1,300.00	50.00	≥90	200 - 1800	#85-886	€225,00 Qty 6+ €201,00	In Stock
25.00	1,300.00	50.00	≥90	200 - 1800	#85-898	€337,00 Qty 6+ €302,00	In Stock
50.00	1,300.00	50.00	≥90	200 - 1800	#85-910	€800,00 Qty 6+ €704,00	3-4 days
12.50	1,325.00	50.00	>90	200 - 1800	#87-853	€225,00 Qty 6+ €201,00	3-4 days
25.00	1,325.00	50.00	>90	200 - 1800	#87-866	€337,00 Qty 6+ €302,00	3-4 days
50.00	1,325.00	50.00	>90	200 - 1800	#87-879	€800,00 Qty 6+ €704,00	3-4 days
12.50	1,350.00	50.00	≥90	200 - 1800	#85-887	€225,00 Qty 6+ €201,00	3-4 days
25.00	1,350.00	50.00	≥90	200 - 1800	#85-899	€337,00 Qty 6+ €302,00	In Stock
50.00	1,350.00	50.00	≥90	200 - 1800	#85-911	€800,00 Qty 6+ €704,00	3-4 days
12.50	1,375.00	50.00	>90	200 - 1800	#87-854	€225,00 Qty 6+ €201,00	3-4 days

25.00	1,375.00	50.00	>90	200 - 1800	#87-867	€337,00 Qty 6+ €302,00	3-4 days
50.00	1,375.00	50.00	>90	200 - 1800	#87-880	€800,00 Qty 6+ €704,00	3-4 days
12.50	1,400.00	50.00	≥90	200 - 1800	#85-888	€225,00 Qty 6+ €201,00	In Stock
25.00	1,400.00	50.00	≥90	200 - 1800	#85-900	€337,00 Qty 6+ €302,00	3-4 days
50.00	1,400.00	50.00	≥90	200 - 1800	#85-912	€800,00 Qty 6+ €704,00	3-4 days
12.50	1,425.00	50.00	>90	200 - 1800	#87-855	€225,00 Qty 6+ €201,00	3-4 days
25.00	1,425.00	50.00	>90	200 - 1800	#87-868	€337,00 Qty 6+ €302,00	3-4 days
50.00	1,425.00	50.00	>90	200 - 1800	#87-881	€800,00 Qty 6+ €704,00	3-4 days
12.50	1,450.00	50.00	≥90	200 - 1800	#85-889	€225,00 Qty 6+ €201,00	Contact Us
25.00	1,450.00	50.00	≥90	200 - 1800	#85-901	€337,00 Qty 6+ €302,00	3-4 days
50.00	1,450.00	50.00	≥90	200 - 1800	#85-913	€800,00 Qty 6+ €704,00	3-4 days
12.50	1,475.00	50.00	>90	200 - 1800	#87-856	€225,00 Qty 6+ €201,00	3-4 days
25.00	1,475.00	50.00	>90	200 - 1800	#87-869	€337,00 Qty 6+ €302,00	3-4 days
50.00	1,475.00	50.00	>90	200 - 1800	#87-882	€800,00 Qty 6+ €704,00	Contact Us
12.50	1,500.00	50.00	≥90	200 - 1800	#85-890	€225,00 Qty 6+ €201,00	In Stock
25.00	1,500.00	50.00	≥90	200 - 1800	#85-902	€337,00 Qty 6+ €302,00	3-4 days
50.00	1,500.00	50.00	≥90	200 - 1800	#85-914	€800,00 Qty 6+ €704,00	3-4 days
12.50	1,525.00	50.00	>90	200 - 1800	#87-857	€225,00 Qty 6+ €201,00	3-4 days
25.00	1,525.00	50.00	>90	200 - 1800	#87-870	€337,00 Qty 6+ €302,00	3-4 days

50.00	1,525.00	50.00	>90	200 - 1800	#87-883	€800,00 Qty 6+ €704,00	3-4 days
12.50	1,550.00	50.00	≥90	200 - 1800	#85-891	€225,00 Qty 6+ €201,00	3-4 days
25.00	1,550.00	50.00	≥90	200 - 1800	#85-903	€337,00 Qty 6+ €302,00	In Stock
50.00	1,550.00	50.00	≥90	200 - 1800	#85-915	€800,00 Qty 6+ €704,00	In Stock
12.50	1,575.00	50.00	>90	200 - 1800	#87-858	€225,00 Qty 6+ €201,00	3-4 days
25.00	1,575.00	50.00	>90	200 - 1800	#87-871	€337,00 Qty 6+ €302,00	In Stock
50.00	1,575.00	50.00	>90	200 - 1800	#87-884	€800,00 Qty 6+ €704,00	3-4 days
12.50	1,600.00	50.00	>90	200 - 1800	#87-859	€225,00 Qty 6+ €201,00	3-4 days
25.00	1,600.00	50.00	>90	200 - 1800	#87-872	€337,00 Qty 6+ €302,00	3-4 days
50.00	1,600.00	50.00	>90	200 - 1800	#87-885	€800,00 Qty 6+ €704,00	3-4 days



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