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TECHSPEC® Hard Coated OD 4.0 25nm Bandpass Filters



- Ideal for Life Science Instrumentation
- High Transmission, Deep Blocking
- Used to Prevent Photobleaching in Microscopy Applications
- Hard Coated OD 4.0 [5nm](#), [10nm](#) and [50nm](#) 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): 20
Optical Density OD (Average): ≥ 4.0	Full Width-Half Max FWHM Tolerance (nm): ± 3
Coating: Hard Coated	Surface Quality: 80-50

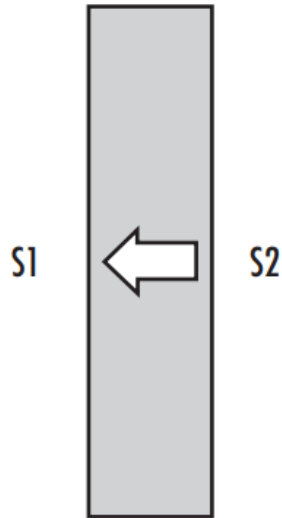
Threading & Mounting

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)	Substrate Thickness (mm)	Stock Number	Price	Buy
12.50	300.00	25.00	≥70	200 - 650	3.0	#12-074	£154.96 Volume Pricing	12 In Stock
25.00	300.00	25.00	≥70	200 - 650	3.0	#12-078	£223.25 Volume Pricing	3 In Stock
50.00	300.00	25.00	≥70	200 - 650	3.0	#12-084	£499.04 Volume Pricing	1 In Stock
12.50	325.00	25.00	≥80	200 - 1200	3.0	#12-075	£154.96 Volume Pricing	11 In Stock
25.00	325.00	25.00	≥80	200 - 1200	3.0	#12-079	£223.25 Volume Pricing	4 In Stock
50.00	325.00	25.00	≥80	200 - 1200	3.0	#12-085	£499.04 Volume Pricing	2 In Stock
12.50	350.00	25.00	≥90	200 - 1200	3.5	#12-076	£154.96 Volume Pricing	9 In Stock
25.00	350.00	25.00	≥90	200 - 1200	3.5	#12-080	£223.25 Volume Pricing	3 In Stock
50.00	350.00	25.00	≥90	200 - 1200	3.5	#12-086	£499.04 Volume Pricing	1 In Stock
12.50	375.00	25.00	≥90	200 - 1200	3.5	#12-077	£154.96 Volume Pricing	20+ In Stock
25.00	375.00	25.00	≥90	200 - 1200	3.5	#12-083	£223.25 Volume Pricing	8 In Stock
50.00	375.00	25.00	≥90	200 - 1200	3.5	#12-087	£499.04 Volume Pricing	5 In Stock
12.50	400.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-640	£143.58 Volume Pricing	5 In Stock
25.00	400.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-652	£215.37 Volume Pricing	14 In Stock
50.00	400.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-664	£511.29 Volume Pricing	8 In Stock
12.50	425.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-775	£143.58 Volume Pricing	20+ In Stock
25.00	425.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-787	£215.37 Volume Pricing	20+ In Stock
50.00	425.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-799	£511.29 Volume Pricing	10 In Stock
12.50	450.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-641	£143.58 Volume Pricing	20+ In Stock

25.00	450.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-653	£215.37 Volume Pricing	20+ In Stock
50.00	450.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-665	£511.29 Volume Pricing	5 In Stock
12.50	475.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-776	£143.58 Volume Pricing	20+ In Stock
25.00	475.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-788	£215.37 Volume Pricing	20+ In Stock
50.00	475.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-800	£511.29 Volume Pricing	14 In Stock
12.50	500.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-642	£143.58 Volume Pricing	12 In Stock
25.00	500.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-654	£215.37 Volume Pricing	20+ In Stock
50.00	500.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-666	£511.29 Volume Pricing	1 In Stock
12.50	525.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-777	£143.58 Volume Pricing	20+ In Stock
25.00	525.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-789	£215.37 Volume Pricing	20+ In Stock
50.00	525.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-801	£511.29 Volume Pricing	5 In Stock
12.50	550.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-643	£143.58 Volume Pricing	3 In Stock
25.00	550.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-655	£215.37 Volume Pricing	20+ In Stock
50.00	550.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-667	£511.29 Volume Pricing	20+ In Stock
12.50	575.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-778	£143.58 Volume Pricing	20+ In Stock
25.00	575.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-790	£215.37 Volume Pricing	20+ In Stock
50.00	575.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-802	£511.29 Volume Pricing	2 In Stock
12.50	600.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-644	£143.58 Volume Pricing	20+ In Stock
25.00	600.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-656	£215.37 Volume Pricing	5 In Stock
50.00	600.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-668	£511.29 Volume Pricing	4 In Stock
12.50	625.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-779	£143.58 Volume Pricing	20+ In Stock
25.00	625.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-791	£215.37 Volume Pricing	20+ In Stock

50.00	625.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-803	£511.29 Volume Pricing	5 In Stock
12.50	650.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-645	£143.58 Volume Pricing	20+ In Stock
25.00	650.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-657	£215.37 Volume Pricing	20+ In Stock
50.00	650.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-669	£511.29 Volume Pricing	3 In Stock
12.50	675.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-780	£143.58 Volume Pricing	5 In Stock
25.00	675.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-792	£215.37 Volume Pricing	4 In Stock
50.00	675.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-804	£511.29 Volume Pricing	3 In Stock
12.50	700.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-646	£143.58 Volume Pricing	20+ In Stock
25.00	700.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-658	£215.37 Volume Pricing	9 In Stock
50.00	700.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-670	£511.29 Volume Pricing	Contact Us
12.50	725.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-781	£158.47 Volume Pricing	8 In Stock
25.00	725.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-793	£228.51 Volume Pricing	1 In Stock
50.00	725.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-805	£534.06 Volume Pricing	1 In Stock
12.50	750.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-647	£158.47 Volume Pricing	4 In Stock
25.00	750.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-659	£228.51 Volume Pricing	5 In Stock
50.00	750.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-671	£534.06 Volume Pricing	1 In Stock
12.50	775.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-782	£158.47 Volume Pricing	1 In Stock
25.00	775.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-794	£228.51 Volume Pricing	5 In Stock
50.00	775.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-806	£534.06 Volume Pricing	1 In Stock
12.50	800.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-648	£158.47 Volume Pricing	20+ In Stock
25.00	800.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-660	£228.51 Volume Pricing	20+ In Stock
50.00	800.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-672	£534.06 Volume Pricing	5 In Stock

12.50	825.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-783	£158.47 Volume Pricing	20+ In Stock
25.00	825.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-795	£228.51 Volume Pricing	Contact Us
50.00	825.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-807	£534.06 Volume Pricing	3 In Stock
12.50	850.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-649	£158.47 Volume Pricing	15 In Stock
25.00	850.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-661	£228.51 Volume Pricing	16 In Stock
50.00	850.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-673	£534.06 Volume Pricing	7 In Stock
12.50	875.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-784	£158.47 Volume Pricing	20+ In Stock
25.00	875.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-796	£228.51 Volume Pricing	2 In Stock
50.00	875.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-808	£534.06 Volume Pricing	1 In Stock
12.50	900.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-650	£158.47 Volume Pricing	1 In Stock
25.00	900.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-662	£228.51 Volume Pricing	20+ In Stock
50.00	900.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-674	£534.06 Volume Pricing	1 In Stock
12.50	925.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-785	£158.47 Volume Pricing	20+ In Stock
25.00	925.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-797	£228.51 Volume Pricing	20+ In Stock
50.00	925.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-809	£534.06 Volume Pricing	4 In Stock
12.50	950.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-651	£158.47 Volume Pricing	20+ In Stock
25.00	950.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-663	£228.51 Volume Pricing	13 In Stock
50.00	950.00	25.00	≥90	200 - 1200	3.5 ±0.5	#86-675	£534.06 Volume Pricing	4 In Stock
12.50	975.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-786	£158.47 Volume Pricing	20+ In Stock
25.00	975.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-798	£228.51 Volume Pricing	20+ In Stock
50.00	975.00	25.00	>90	200 - 1200	3.5 ±0.5	#87-810	£534.06 Volume Pricing	5 In Stock
12.50	1,000.00	25.00	>90	200 - 1500	3.5 ±0.5	#87-811	£186.48 Volume Pricing	20+ In Stock

25.00	1,000.00	25.00	>90	200 - 1500	3.5 ±0.5	#87-823	£280.16 Volume Pricing	2 In Stock
50.00	1,000.00	25.00	>90	200 - 1500	3.5 ±0.5	#87-835	£664.50 Volume Pricing	1 In Stock
12.50	1,025.00	25.00	≥90	200 - 1500	3.5	#12-032	£186.48 Volume Pricing	2 In Stock
25.00	1,025.00	25.00	≥90	200 - 1500	3.5	#12-046	£280.16 Volume Pricing	11 In Stock
50.00	1,025.00	25.00	≥90	200 - 1500	3.5	#12-060	£664.50 Volume Pricing	13 In Stock
12.50	1,050.00	25.00	>90	200 - 1500	3.5 ±0.5	#87-812	£186.48 Volume Pricing	14 In Stock
25.00	1,050.00	25.00	>90	200 - 1500	3.5 ±0.5	#87-824	£280.16 Volume Pricing	11 In Stock
50.00	1,050.00	25.00	>90	200 - 1500	3.5 ±0.5	#87-836	£664.50 Volume Pricing	1 In Stock
12.50	1,075.00	25.00	≥90	200 - 1500	3.5	#12-034	£186.48 Volume Pricing	3 In Stock
25.00	1,075.00	25.00	≥90	200 - 1500	3.5	#12-047	£280.16 Volume Pricing	1 In Stock
50.00	1,075.00	25.00	≥90	200 - 1500	3.5	#12-061	£664.50 Volume Pricing	5 In Stock
12.50	1,100.00	25.00	>90	200 - 1500	3.5 ±0.5	#87-813	£186.48 Volume Pricing	5 In Stock
25.00	1,100.00	25.00	>90	200 - 1500	3.5 ±0.5	#87-825	£280.16 Volume Pricing	20+ In Stock
50.00	1,100.00	25.00	>90	200 - 1500	3.5 ±0.5	#87-837	£664.50 Volume Pricing	1 In Stock
12.50	1,125.00	25.00	≥90	200 - 1500	3.5	#12-035	£186.48 Volume Pricing	5 In Stock
25.00	1,125.00	25.00	≥90	200 - 1500	3.5	#12-048	£280.16 Volume Pricing	5 In Stock
50.00	1,125.00	25.00	≥90	200 - 1500	3.5	#12-062	£664.50 Volume Pricing	2 In Stock
12.50	1,150.00	25.00	>90	200 - 1500	3.5 ±0.5	#87-814	£186.48 Volume Pricing	3 In Stock
25.00	1,150.00	25.00	>90	200 - 1500	3.5 ±0.5	#87-826	£280.16 Volume Pricing	7 In Stock
50.00	1,150.00	25.00	>90	200 - 1500	3.5 ±0.5	#87-838	£664.50 Volume Pricing	1 In Stock
12.50	1,175.00	25.00	≥90	200 - 1500	3.5	#12-036	£186.48 Volume Pricing	8 In Stock
25.00	1,175.00	25.00	≥90	200 - 1500	3.5	#12-049	£280.16 Volume Pricing	14 In Stock

50.00	1,175.00	25.00	≥90	200 - 1500	3.5	#12-063	£664.50 Volume Pricing	4 In Stock
12.50	1,200.00	25.00	>90	200 - 1500	3.5 ±0.5	#87-815	£186.48 Volume Pricing	1 In Stock
25.00	1,200.00	25.00	>90	200 - 1500	3.5 ±0.5	#87-827	£280.16 Volume Pricing	20+ In Stock
50.00	1,200.00	25.00	>90	200 - 1500	3.5 ±0.5	#87-839	£664.50 Volume Pricing	1 In Stock
12.50	1,225.00	25.00	≥90	200 - 1500	3.5	#12-037	£186.48 Volume Pricing	9 In Stock
25.00	1,225.00	25.00	≥90	200 - 1500	3.5	#12-050	£280.16 Volume Pricing	13 In Stock
50.00	1,225.00	25.00	≥90	200 - 1500	3.5	#12-064	£664.50 Volume Pricing	2 In Stock
12.50	1,250.00	25.00	>90	200 - 1800	3.5 ±0.5	#87-816	£186.48 Volume Pricing	17 In Stock
25.00	1,250.00	25.00	>90	200 - 1800	3.5 ±0.5	#87-828	£280.16 Volume Pricing	Contact Us
50.00	1,250.00	25.00	>90	200 - 1800	3.5 ±0.5	#87-840	£664.50 Volume Pricing	4 In Stock
12.50	1,275.00	25.00	≥90	200 - 1800	3.5	#12-038	£186.48 Volume Pricing	10 In Stock
25.00	1,275.00	25.00	≥90	200 - 1800	3.5	#12-053	£280.16 Volume Pricing	12 In Stock
50.00	1,275.00	25.00	≥90	200 - 1800	3.5	#12-065	£664.50 Volume Pricing	4 In Stock
12.50	1,300.00	25.00	>90	200 - 1800	3.5 ±0.5	#87-817	£186.48 Volume Pricing	3 In Stock
25.00	1,300.00	25.00	>90	200 - 1800	3.5 ±0.5	#87-829	£280.16 Volume Pricing	3 In Stock
50.00	1,300.00	25.00	>90	200 - 1800	3.5 ±0.5	#87-841	£664.50 Volume Pricing	8 In Stock
12.50	1,325.00	25.00	≥90	200 - 1800	3.5	#12-039	£186.48 Volume Pricing	10 In Stock
25.00	1,325.00	25.00	≥90	200 - 1800	3.5	#12-054	£280.16 Volume Pricing	11 In Stock
50.00	1,325.00	25.00	≥90	200 - 1800	3.5	#12-066	£664.50 Volume Pricing	1 In Stock
12.50	1,350.00	25.00	>90	200 - 1800	3.5 ±0.5	#87-818	£186.48 Volume Pricing	Contact Us
25.00	1,350.00	25.00	>90	200 - 1800	3.5 ±0.5	#87-830	£280.16 Volume Pricing	20+ In Stock
50.00	1,350.00	25.00	>90	200 - 1800	3.5 ±0.5	#87-842	£664.50 Volume Pricing	1 In Stock

12.50	1,375.00	25.00	≥90	200 - 1800	3.5	#12-040	£186.48 Volume Pricing	14 In Stock
25.00	1,375.00	25.00	≥90	200 - 1800	3.5	#12-055	£280.16 Volume Pricing	7 In Stock
50.00	1,375.00	25.00	≥90	200 - 1800	3.5	#12-067	£664.50 Volume Pricing	2 In Stock
12.50	1,400.00	25.00	>90	200 - 1800	3.5 ±0.5	#87-819	£186.48 Volume Pricing	3 In Stock
25.00	1,400.00	25.00	>90	200 - 1800	3.5 ±0.5	#87-831	£280.16 Volume Pricing	3 In Stock
50.00	1,400.00	25.00	>90	200 - 1800	3.5 ±0.5	#87-843	£664.50 Volume Pricing	2 In Stock
12.50	1,425.00	25.00	≥90	200 - 1800	3.5	#12-041	£186.48 Volume Pricing	10 In Stock
25.00	1,425.00	25.00	≥90	200 - 1800	3.5	#12-056	£280.16 Volume Pricing	17 In Stock
50.00	1,425.00	25.00	≥90	200 - 1800	3.5	#12-068	£664.50 Volume Pricing	5 In Stock
12.50	1,450.00	25.00	>90	200 - 1800	3.5 ±0.5	#87-820	£186.48 Volume Pricing	20+ In Stock
25.00	1,450.00	25.00	>90	200 - 1800	3.5 ±0.5	#87-832	£280.16 Volume Pricing	20+ In Stock
50.00	1,450.00	25.00	>90	200 - 1800	3.5 ±0.5	#87-844	£664.50 Volume Pricing	1 In Stock
12.50	1,475.00	25.00	≥90	200 - 1800	3.5	#12-042	£186.48 Volume Pricing	12 In Stock
25.00	1,475.00	25.00	≥90	200 - 1800	3.5	#12-057	£280.16 Volume Pricing	8 In Stock
50.00	1,475.00	25.00	≥90	200 - 1800	3.5	#12-069	£664.50 Volume Pricing	5 In Stock
12.50	1,500.00	25.00	>90	200 - 1800	3.5 ±0.5	#87-821	£186.48 Volume Pricing	1 In Stock
25.00	1,500.00	25.00	>90	200 - 1800	3.5 ±0.5	#87-833	£280.16 Volume Pricing	3 In Stock
50.00	1,500.00	25.00	>90	200 - 1800	3.5 ±0.5	#87-845	£664.50 Volume Pricing	1 In Stock
12.50	1,525.00	25.00	≥90	200 - 1800	3.5	#12-044	£186.48 Volume Pricing	13 In Stock
25.00	1,525.00	25.00	≥90	200 - 1800	3.5	#12-058	£280.16 Volume Pricing	14 In Stock
50.00	1,525.00	25.00	≥90	200 - 1800	3.5	#12-070	£664.50 Volume Pricing	4 In Stock
12.50	1,550.00	25.00	>90	200 - 1800	3.5 ±0.5	#87-822	£186.48 Volume Pricing	4 In Stock

25.00	1,550.00	25.00	>90	200 - 1800	3.5 ±0.5	#87-834	£280.16 Volume Pricing	20+ In Stock
50.00	1,550.00	25.00	>90	200 - 1800	3.5 ±0.5	#87-846	£664.50 Volume Pricing	2 In Stock
12.50	1,575.00	25.00	≥90	200 - 1800	3.5	#12-045	£186.48 Volume Pricing	7 In Stock
25.00	1,575.00	25.00	≥90	200 - 1800	3.5	#12-059	£280.16 Volume Pricing	15 In Stock
50.00	1,575.00	25.00	≥90	200 - 1800	3.5	#12-073	£664.50 Volume Pricing	1 In Stock



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