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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

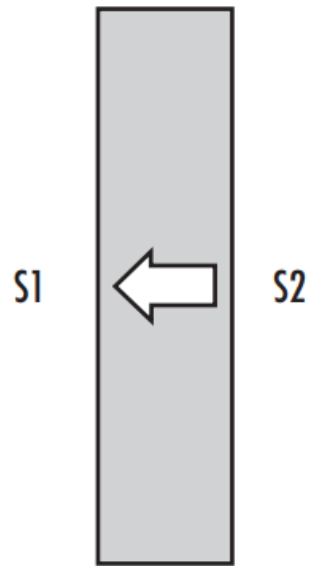
Threading & Mounting

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	S\$287.00 Volume Pricing	3 In Stock
25.00	300.00	50.00	≥60	200 - 1200	#12-093	S\$413.00 Volume Pricing	5 In Stock
50.00	300.00	50.00	≥60	200 - 1200	#12-097	S\$959.00 Volume Pricing	5 In Stock
12.50	325.00	50.00	>80	200 - 1200	#12-089	S\$287.00 Volume Pricing	20+ In Stock
25.00	325.00	50.00	>80	200 - 1200	#12-094	S\$413.00 Volume Pricing	9 In Stock
50.00	325.00	50.00	>80	200 - 1200	#12-098	S\$959.00 Volume Pricing	11 In Stock
12.50	350.00	50.00	>90	200 - 1200	#12-090	S\$287.00 Volume Pricing	20+ In Stock
25.00	350.00	50.00	>90	200 - 1200	#12-095	S\$413.00 Volume Pricing	5 In Stock
50.00	350.00	50.00	>90	200 - 1200	#12-099	S\$959.00 Volume Pricing	2 In Stock
12.50	375.00	50.00	>90	200 - 1200	#12-091	S\$287.00 Volume Pricing	16 In Stock
25.00	375.00	50.00	>90	200 - 1200	#12-096	S\$413.00 Volume Pricing	6 In Stock
50.00	375.00	50.00	>90	200 - 1200	#12-100	S\$959.00 Volume Pricing	3 In Stock
12.50	400.00	50.00	≥90	200 - 1200	#84-769	S\$259.00 Volume Pricing	20+ In Stock
25.00	400.00	50.00	≥90	200 - 1200	#84-781	S\$392.00 Volume Pricing	7 In Stock
50.00	400.00	50.00	≥90	200 - 1200	#84-793	S\$924.00 Volume Pricing	3 In Stock
12.50	425.00	50.00	≥90	200 - 1200	#86-937	S\$259.00 Volume Pricing	20+ In Stock
25.00	425.00	50.00	≥90	200 - 1200	#86-949	S\$392.00 Volume Pricing	Contact Us

50.00	425.00	50.00	≥90	200 - 1200	#86-961	S\$924.00 Volume Pricing	5 In Stock
12.50	450.00	50.00	≥90	200 - 1200	#84-770	S\$259.00 Volume Pricing	20+ In Stock
25.00	450.00	50.00	≥90	200 - 1200	#84-782	S\$392.00 Volume Pricing	20+ In Stock
50.00	450.00	50.00	≥90	200 - 1200	#84-794	S\$924.00 Volume Pricing	6 In Stock
12.50	475.00	50.00	≥90	200 - 1200	#86-938	S\$259.00 Volume Pricing	20+ In Stock
25.00	475.00	50.00	≥90	200 - 1200	#86-950	S\$392.00 Volume Pricing	17 In Stock
50.00	475.00	50.00	≥90	200 - 1200	#86-962	S\$924.00 Volume Pricing	3 In Stock
12.50	500.00	50.00	≥90	200 - 1200	#84-771	S\$259.00 Volume Pricing	20+ In Stock
25.00	500.00	50.00	≥90	200 - 1200	#84-783	S\$392.00 Volume Pricing	20+ In Stock
50.00	500.00	50.00	≥90	200 - 1200	#84-795	S\$924.00 Volume Pricing	2 In Stock
12.50	525.00	50.00	≥90	200 - 1200	#86-939	S\$259.00 Volume Pricing	20+ In Stock
25.00	525.00	50.00	≥90	200 - 1200	#86-951	S\$392.00 Volume Pricing	Contact Us
50.00	525.00	50.00	≥90	200 - 1200	#86-963	S\$924.00 Volume Pricing	Contact Us
12.50	550.00	50.00	≥90	200 - 1200	#84-772	S\$259.00 Volume Pricing	20+ In Stock
25.00	550.00	50.00	≥90	200 - 1200	#84-784	S\$392.00 Volume Pricing	20+ In Stock
50.00	550.00	50.00	≥90	200 - 1200	#84-796	S\$924.00 Volume Pricing	5 In Stock
12.50	575.00	50.00	≥90	200 - 1200	#86-940	S\$259.00 Volume Pricing	20+ In Stock
25.00	575.00	50.00	≥90	200 - 1200	#86-952	S\$392.00 Volume Pricing	9 In Stock
50.00	575.00	50.00	≥90	200 - 1200	#86-964	S\$924.00 Volume Pricing	1 In Stock
12.50	600.00	50.00	≥90	200 - 1200	#84-773	S\$259.00 Volume Pricing	16 In Stock

25.00	600.00	50.00	≥90	200 - 1200	#84-785	S\$392.00 Volume Pricing	13 In Stock
50.00	600.00	50.00	≥90	200 - 1200	#84-797	S\$924.00 Volume Pricing	4 In Stock
12.50	625.00	50.00	≥90	200 - 1200	#86-941	S\$259.00 Volume Pricing	11 In Stock
25.00	625.00	50.00	≥90	200 - 1200	#86-953	S\$392.00 Volume Pricing	8 In Stock
50.00	625.00	50.00	≥90	200 - 1200	#86-965	S\$924.00 Volume Pricing	3 In Stock
12.50	650.00	50.00	≥90	200 - 1200	#84-774	S\$259.00 Volume Pricing	20+ In Stock
25.00	650.00	50.00	≥90	200 - 1200	#84-786	S\$392.00 Volume Pricing	Contact Us
50.00	650.00	50.00	≥90	200 - 1200	#84-798	S\$924.00 Volume Pricing	1 In Stock
12.50	675.00	50.00	≥90	200 - 1200	#86-942	S\$259.00 Volume Pricing	4 In Stock
25.00	675.00	50.00	≥90	200 - 1200	#86-954	S\$392.00 Volume Pricing	5 In Stock
50.00	675.00	50.00	≥90	200 - 1200	#86-966	S\$924.00 Volume Pricing	7 In Stock
12.50	700.00	50.00	≥90	200 - 1200	#84-775	S\$259.00 Volume Pricing	Contact Us
25.00	700.00	50.00	≥90	200 - 1200	#84-787	S\$392.00 Volume Pricing	20+ In Stock
50.00	700.00	50.00	≥90	200 - 1200	#84-799	S\$924.00 Volume Pricing	11 In Stock
12.50	725.00	50.00	≥90	200 - 1200	#86-943	S\$287.00 Volume Pricing	20+ In Stock
25.00	725.00	50.00	≥90	200 - 1200	#86-955	S\$413.00 Volume Pricing	3 In Stock
50.00	725.00	50.00	≥90	200 - 1200	#86-967	S\$959.00 Volume Pricing	12 In Stock
12.50	750.00	50.00	≥90	200 - 1200	#84-776	S\$287.00 Volume Pricing	20+ In Stock
25.00	750.00	50.00	≥90	200 - 1200	#84-788	S\$413.00 Volume Pricing	4 In Stock
50.00	750.00	50.00	≥90	200 - 1200	#84-800	S\$959.00 Volume Pricing	5 In Stock

12.50	775.00	50.00	≥90	200 - 1200	#86-944	S\$287.00 Volume Pricing	20+ In Stock
25.00	775.00	50.00	≥90	200 - 1200	#86-956	S\$413.00 Volume Pricing	5 In Stock
50.00	775.00	50.00	≥90	200 - 1200	#86-968	S\$959.00 Volume Pricing	5 In Stock
12.50	800.00	50.00	≥90	200 - 1200	#84-777	S\$287.00 Volume Pricing	20+ In Stock
25.00	800.00	50.00	≥90	200 - 1200	#84-789	S\$413.00 Volume Pricing	5 In Stock
50.00	800.00	50.00	≥90	200 - 1200	#84-801	S\$959.00 Volume Pricing	5 In Stock
12.50	825.00	50.00	≥90	200 - 1200	#86-945	S\$287.00 Volume Pricing	6 In Stock
25.00	825.00	50.00	≥90	200 - 1200	#86-957	S\$413.00 Volume Pricing	20+ In Stock
50.00	825.00	50.00	≥90	200 - 1200	#86-969	S\$959.00 Volume Pricing	2 In Stock
12.50	850.00	50.00	≥90	200 - 1200	#84-778	S\$287.00 Volume Pricing	14 In Stock
25.00	850.00	50.00	≥90	200 - 1200	#84-790	S\$413.00 Volume Pricing	14 In Stock
50.00	850.00	50.00	≥90	200 - 1200	#84-802	S\$959.00 Volume Pricing	Contact Us
12.50	875.00	50.00	≥90	200 - 1200	#86-946	S\$287.00 Volume Pricing	20+ In Stock
25.00	875.00	50.00	≥90	200 - 1200	#86-958	S\$413.00 Volume Pricing	14 In Stock
50.00	875.00	50.00	≥90	200 - 1200	#86-970	S\$959.00 Volume Pricing	10 In Stock
12.50	900.00	50.00	≥90	200 - 1200	#84-779	S\$287.00 Volume Pricing	20+ In Stock
25.00	900.00	50.00	≥90	200 - 1200	#84-791	S\$413.00 Volume Pricing	5 In Stock
50.00	900.00	50.00	≥90	200 - 1200	#84-803	S\$959.00 Volume Pricing	11 In Stock
12.50	925.00	50.00	≥90	200 - 1200	#86-947	S\$287.00 Volume Pricing	9 In Stock
25.00	925.00	50.00	≥90	200 - 1200	#86-959	S\$413.00 Volume Pricing	11 In Stock

50.00	925.00	50.00	≥90	200 - 1200	#86-971	S\$959.00 Volume Pricing	1 In Stock
12.50	950.00	50.00	≥90	200 - 1200	#84-780	S\$287.00 Volume Pricing	20+ In Stock
25.00	950.00	50.00	≥90	200 - 1200	#84-792	S\$413.00 Volume Pricing	20+ In Stock
50.00	950.00	50.00	≥90	200 - 1200	#84-804	S\$959.00 Volume Pricing	6 In Stock
12.50	975.00	50.00	≥90	200 - 1200	#86-948	S\$287.00 Volume Pricing	20+ In Stock
25.00	975.00	50.00	≥90	200 - 1200	#86-960	S\$413.00 Volume Pricing	14 In Stock
50.00	975.00	50.00	≥90	200 - 1200	#86-972	S\$959.00 Volume Pricing	5 In Stock
12.50	1,000.00	50.00	≥90	200 - 1500	#85-880	S\$336.00 Volume Pricing	5 In Stock
25.00	1,000.00	50.00	≥90	200 - 1500	#85-892	S\$504.00 Volume Pricing	7 In Stock
50.00	1,000.00	50.00	≥90	200 - 1500	#85-904	S\$1,211.00 Volume Pricing	2 In Stock
12.50	1,025.00	50.00	>90	200 - 1500	#87-847	S\$336.00 Volume Pricing	5 In Stock
25.00	1,025.00	50.00	>90	200 - 1500	#87-860	S\$504.00 Volume Pricing	1 In Stock
50.00	1,025.00	50.00	>90	200 - 1500	#87-873	S\$1,211.00 Volume Pricing	1 In Stock
12.50	1,050.00	50.00	≥90	200 - 1500	#85-881	S\$336.00 Volume Pricing	20+ In Stock
25.00	1,050.00	50.00	≥90	200 - 1500	#85-893	S\$504.00 Volume Pricing	7 In Stock
50.00	1,050.00	50.00	≥90	200 - 1500	#85-905	S\$1,211.00 Volume Pricing	8 In Stock
12.50	1,075.00	50.00	>90	200 - 1500	#87-848	S\$336.00 Volume Pricing	20+ In Stock
25.00	1,075.00	50.00	>90	200 - 1500	#87-861	S\$504.00 Volume Pricing	20+ In Stock
50.00	1,075.00	50.00	>90	200 - 1500	#87-874	S\$1,211.00 Volume Pricing	1 In Stock
12.50	1,100.00	50.00	≥90	200 - 1500	#85-882	S\$336.00 Volume Pricing	3 In Stock

25.00	1,100.00	50.00	≥90	200 - 1500	#85-894	S\$504.00 Volume Pricing	11 In Stock
50.00	1,100.00	50.00	≥90	200 - 1500	#85-906	S\$1,211.00 Volume Pricing	1 In Stock
12.50	1,125.00	50.00	>90	200 - 1500	#87-849	S\$336.00 Volume Pricing	Contact Us
25.00	1,125.00	50.00	>90	200 - 1500	#87-862	S\$504.00 Volume Pricing	20+ In Stock
50.00	1,125.00	50.00	>90	200 - 1500	#87-875	S\$1,211.00 Volume Pricing	5 In Stock
12.50	1,150.00	50.00	≥90	200 - 1500	#85-883	S\$336.00 Volume Pricing	20+ In Stock
25.00	1,150.00	50.00	≥90	200 - 1500	#85-895	S\$504.00 Volume Pricing	5 In Stock
50.00	1,150.00	50.00	≥90	200 - 1500	#85-907	S\$1,211.00 Volume Pricing	2 In Stock
12.50	1,175.00	50.00	>90	200 - 1500	#87-850	S\$336.00 Volume Pricing	5 In Stock
25.00	1,175.00	50.00	>90	200 - 1500	#87-863	S\$504.00 Volume Pricing	3 In Stock
50.00	1,175.00	50.00	>90	200 - 1500	#87-876	S\$1,211.00 Volume Pricing	1 In Stock
12.50	1,200.00	50.00	≥90	200 - 1500	#85-884	S\$336.00 Volume Pricing	5 In Stock
25.00	1,200.00	50.00	≥90	200 - 1500	#85-896	S\$504.00 Volume Pricing	10 In Stock
50.00	1,200.00	50.00	≥90	200 - 1500	#85-908	S\$1,211.00 Volume Pricing	1 In Stock
12.50	1,225.00	50.00	>90	200 - 1800	#87-851	S\$336.00 Volume Pricing	1 In Stock
25.00	1,225.00	50.00	>90	200 - 1800	#87-864	S\$504.00 Volume Pricing	1 In Stock
50.00	1,225.00	50.00	>90	200 - 1800	#87-877	S\$1,211.00 Volume Pricing	1 In Stock
12.50	1,250.00	50.00	≥90	200 - 1800	#85-885	S\$336.00 Volume Pricing	4 In Stock
25.00	1,250.00	50.00	≥90	200 - 1800	#85-897	S\$504.00 Volume Pricing	3 In Stock
50.00	1,250.00	50.00	≥90	200 - 1800	#85-909	S\$1,211.00 Volume Pricing	3 In Stock

12.50	1,275.00	50.00	>90	200 - 1800	#87-852	S\$336.00 Volume Pricing	2 In Stock
25.00	1,275.00	50.00	>90	200 - 1800	#87-865	S\$504.00 Volume Pricing	4 In Stock
50.00	1,275.00	50.00	>90	200 - 1800	#87-878	S\$1,211.00 Volume Pricing	1 In Stock
12.50	1,300.00	50.00	≥90	200 - 1800	#85-886	S\$336.00 Volume Pricing	14 In Stock
25.00	1,300.00	50.00	≥90	200 - 1800	#85-898	S\$504.00 Volume Pricing	15 In Stock
50.00	1,300.00	50.00	≥90	200 - 1800	#85-910	S\$1,211.00 Volume Pricing	3 In Stock
12.50	1,325.00	50.00	>90	200 - 1800	#87-853	S\$336.00 Volume Pricing	1 In Stock
25.00	1,325.00	50.00	>90	200 - 1800	#87-866	S\$504.00 Volume Pricing	4 In Stock
50.00	1,325.00	50.00	>90	200 - 1800	#87-879	S\$1,211.00 Volume Pricing	12 In Stock
12.50	1,350.00	50.00	≥90	200 - 1800	#85-887	S\$336.00 Volume Pricing	5 In Stock
25.00	1,350.00	50.00	≥90	200 - 1800	#85-899	S\$504.00 Volume Pricing	20+ In Stock
50.00	1,350.00	50.00	≥90	200 - 1800	#85-911	S\$1,211.00 Volume Pricing	4 In Stock
12.50	1,375.00	50.00	>90	200 - 1800	#87-854	S\$336.00 Volume Pricing	20+ In Stock
25.00	1,375.00	50.00	>90	200 - 1800	#87-867	S\$504.00 Volume Pricing	11 In Stock
50.00	1,375.00	50.00	>90	200 - 1800	#87-880	S\$1,211.00 Volume Pricing	2 In Stock
12.50	1,400.00	50.00	≥90	200 - 1800	#85-888	S\$336.00 Volume Pricing	1 In Stock
25.00	1,400.00	50.00	≥90	200 - 1800	#85-900	S\$504.00 Volume Pricing	9 In Stock
50.00	1,400.00	50.00	≥90	200 - 1800	#85-912	S\$1,211.00 Volume Pricing	5 In Stock
12.50	1,425.00	50.00	>90	200 - 1800	#87-855	S\$336.00 Volume Pricing	3 In Stock
25.00	1,425.00	50.00	>90	200 - 1800	#87-868	S\$504.00 Volume Pricing	2 In Stock

50.00	1,425.00	50.00	>90	200 - 1800	#87-881	S\$1,211.00 Volume Pricing	4 In Stock
12.50	1,450.00	50.00	≥90	200 - 1800	#85-889	S\$336.00 Volume Pricing	2 In Stock
25.00	1,450.00	50.00	≥90	200 - 1800	#85-901	S\$504.00 Volume Pricing	2 In Stock
50.00	1,450.00	50.00	≥90	200 - 1800	#85-913	S\$1,211.00 Volume Pricing	7 In Stock
12.50	1,475.00	50.00	>90	200 - 1800	#87-856	S\$336.00 Volume Pricing	1 In Stock
25.00	1,475.00	50.00	>90	200 - 1800	#87-869	S\$504.00 Volume Pricing	3 In Stock
50.00	1,475.00	50.00	>90	200 - 1800	#87-882	S\$1,211.00 Volume Pricing	7 In Stock
12.50	1,500.00	50.00	≥90	200 - 1800	#85-890	S\$336.00 Volume Pricing	1 In Stock
25.00	1,500.00	50.00	≥90	200 - 1800	#85-902	S\$504.00 Volume Pricing	14 In Stock
50.00	1,500.00	50.00	≥90	200 - 1800	#85-914	S\$1,211.00 Volume Pricing	1 In Stock
12.50	1,525.00	50.00	>90	200 - 1800	#87-857	S\$336.00 Volume Pricing	16 In Stock
25.00	1,525.00	50.00	>90	200 - 1800	#87-870	S\$504.00 Volume Pricing	4 In Stock
50.00	1,525.00	50.00	>90	200 - 1800	#87-883	S\$1,211.00 Volume Pricing	8 In Stock
12.50	1,550.00	50.00	≥90	200 - 1800	#85-891	S\$336.00 Volume Pricing	4 In Stock
25.00	1,550.00	50.00	≥90	200 - 1800	#85-903	S\$504.00 Volume Pricing	20+ In Stock
50.00	1,550.00	50.00	≥90	200 - 1800	#85-915	S\$1,211.00 Volume Pricing	5 In Stock
12.50	1,575.00	50.00	>90	200 - 1800	#87-858	S\$336.00 Volume Pricing	20+ In Stock
25.00	1,575.00	50.00	>90	200 - 1800	#87-871	S\$504.00 Volume Pricing	20+ In Stock
50.00	1,575.00	50.00	>90	200 - 1800	#87-884	S\$1,211.00 Volume Pricing	3 In Stock
12.50	1,600.00	50.00	>90	200 - 1800	#87-859	S\$336.00 Volume Pricing	4 In Stock

25.00	1,600.00	50.00	>90	200 - 1800	#87-872	S\$504.00 Volume Pricing	8 In Stock
		Edmund	200 - 1800	#87-885	S\$1,211.00 Volume Pricing	Contact Us	
		optics worldwide					

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