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TECHSPEC® High Performance Mounted Machine Vision Filters



- Optimized for Use with Popular LEDs
- Multiple Mounting Sizes and Threads Available to Ease System Compatibility
- Extremely High and Flat Transmission Profiles Provide Even Illumination

Common Specifications

Physical & Mechanical Properties

Construction:	Mounted in Black Anodized Ring	Substrate Thickness (mm):	1.75 ±0.10
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		

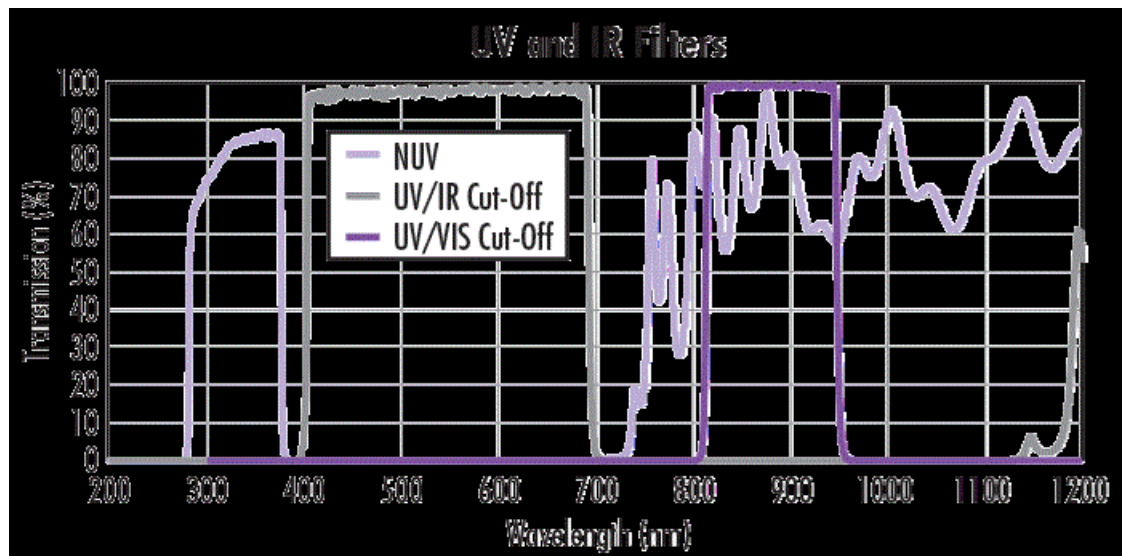
Optical Properties

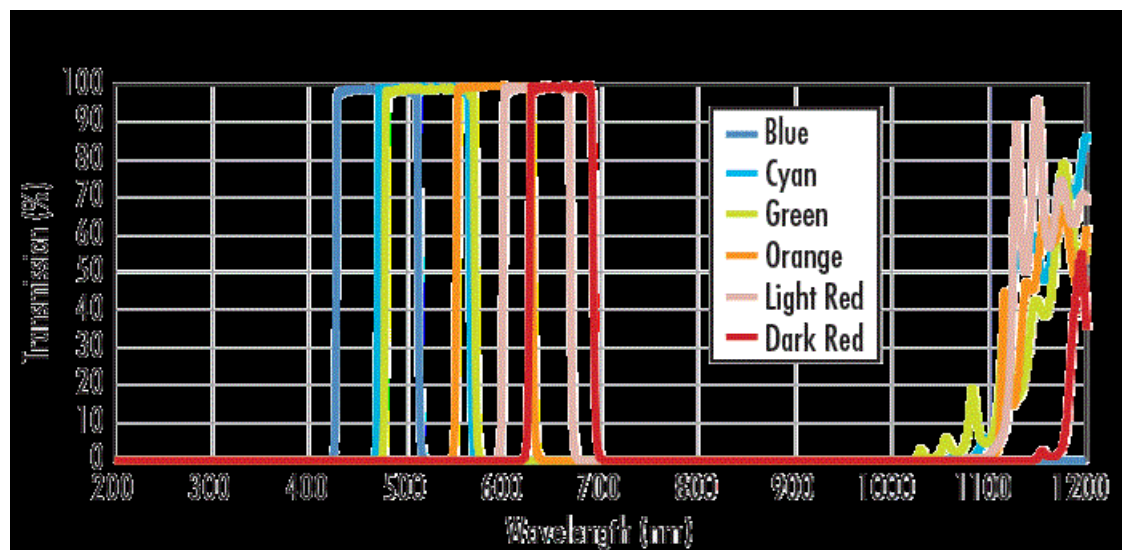
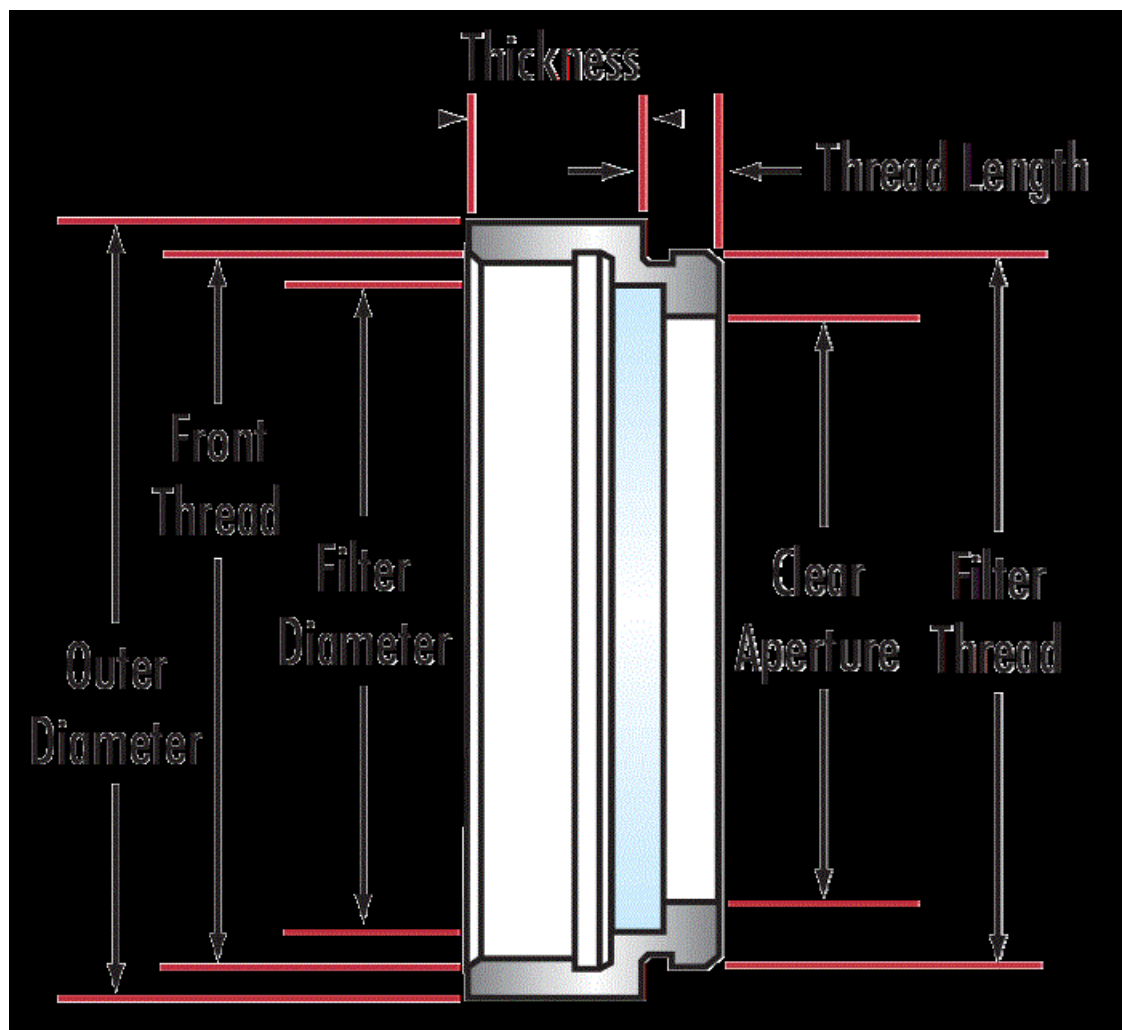
Coating:	Hard Coated
Optical Density OD (Average):	≥3.0

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





Color Machine Vision Filters

Products

Filter Thread	Color	CWL (nm)	FWHM (nm)	Stock Number	Price	Buy
M25.5 x 0.50	Light Red	633.00	70.00	#89-814	£150.40 Volume Pricing	5 In Stock
M25.5 x 0.50	Dark Red	660.00	66.00	#89-824	£150.40 Volume Pricing	7 In Stock
M25.5 x 0.50	Green	525.00	92.00	#89-784	£160.80 Volume Pricing	5 In Stock
M25.5 x 0.50	Blue	470.00	85.00	#89-764	£150.40 Volume Pricing	15 In Stock
M25.5 x 0.50	IR	880.00	135.00	#89-834	£150.40 Volume Pricing	2 In Stock
M25.5 x 0.50	VIS	548.00	290.00	#89-794	£150.40 Volume Pricing	5 In Stock
M30.5 x 0.50	Light Red	633.00	70.00	#89-815	£160.80 Volume Pricing	5 In Stock
M30.5 x 0.50	Dark Red	660.00	66.00	#89-825	£160.80 Volume Pricing	1 In Stock
M30.5 x 0.50	Green	525.00	92.00	#89-785	£160.80 Volume Pricing	1 In Stock
M30.5 x 0.50	Blue	470.00	85.00	#89-765	£160.80 Volume Pricing	3 In Stock
M30.5 x 0.50	IR	880.00	135.00	#89-835	£160.80 Volume Pricing	2 In Stock
M30.5 x 0.50	VIS	548.00	290.00	#89-795	£160.80 Volume Pricing	Contact Us
M40.5 x 0.50	Light Red	633.00	70.00	#89-818	£201.60 Volume Pricing	3 In Stock
M40.5 x 0.50	Dark Red	660.00	66.00	#89-828	£201.60 Volume Pricing	2 In Stock
M40.5 x 0.50	Green	525.00	92.00	#89-788	£201.60 Volume Pricing	5 In Stock
M40.5 x 0.50	Blue	470.00	85.00	#89-768	£201.60 Volume Pricing	4 In Stock
M40.5 x 0.50	IR	880.00	135.00	#89-838	£201.60 Volume Pricing	4 In Stock

M40.5 x 0.50	VIS	548.00	290.00	#89-798	£201.60 Volume Pricing	8 In Stock
M43 x 0.75	Light Red	633.00	70.00	#89-819	£211.20 Volume Pricing	4 In Stock
M43 x 0.75	Dark Red	660.00	66.00	#89-829	£211.20 Volume Pricing	3 In Stock
M43 x 0.75	Green	525.00	92.00	#89-789	£211.20 Volume Pricing	2 In Stock
M43 x 0.75	Blue	470.00	85.00	#89-769	£211.20 Volume Pricing	5 In Stock
M43 x 0.75	IR	880.00	135.00	#89-839	£211.20 Volume Pricing	1 In Stock
M43 x 0.75	VIS	548.00	290.00	#89-799	£211.20 Volume Pricing	4 In Stock
M62 x 0.75	Light Red	633.00	70.00	#89-822	£351.20 Volume Pricing	3 In Stock
M62 x 0.75	Dark Red	660.00	66.00	#89-832	£351.20 Volume Pricing	3 In Stock
M62 x 0.75	Green	525.00	92.00	#89-792	£351.20 Volume Pricing	2 In Stock
M62 x 0.75	Blue	470.00	85.00	#89-772	£351.20 Volume Pricing	2 In Stock
M62 x 0.75	IR	880.00	135.00	#89-842	£351.20 Volume Pricing	1 In Stock
M62 x 0.75	VIS	548.00	290.00	#89-802	£351.20 Volume Pricing	2 In Stock
M22.5 x 0.50	NUV	325.00	106.00	#89-753	£145.60 Volume Pricing	1 In Stock
M34 x 0.50	NUV	325.00	106.00	#89-756	£170.40 Volume Pricing	3 In Stock
M35.5 x 0.50	NUV	325.00	106.00	#89-757	£180.80 Volume Pricing	2 In Stock
M46 x 0.75	NUV	325.00	106.00	#89-760	£241.60 Volume Pricing	3 In Stock
M55 x 0.75	NUV	325.00	106.00	#89-761	£270.40 Volume Pricing	Contact Us
M22.5 x 0.50	Cyan	518.00	95.00	#89-773	£145.60 Volume Pricing	1 In Stock
M34 x 0.50	Cyan	518.00	95.00	#89-776	£170.40 Volume Pricing	Contact Us

M35.5 x 0.50	Cyan	518.00	95.00	#89-777	£180.80 Volume Pricing	3 In Stock
M46 x 0.75	Cyan	518.00	95.00	#89-780	£241.60 Volume Pricing	1 In Stock
M55 x 0.75	Cyan	518.00	95.00	#89-781	£270.40 Volume Pricing	Contact Us
M22.5 x 0.50	Orange	590.00	78.00	#89-803	£145.60 Volume Pricing	2 In Stock
M34 x 0.50	Orange	590.00	78.00	#89-806	£171.20 Volume Pricing	4 In Stock
M35.5 x 0.50	Orange	590.00	78.00	#89-807	£180.80 Volume Pricing	2 In Stock
M46 x 0.75	Orange	590.00	78.00	#89-810	£241.60 Volume Pricing	Contact Us
M55 x 0.75	Orange	590.00	78.00	#89-811	£270.40 Volume Pricing	1 In Stock
M25.5 x 0.50	NUV	325.00	106.00	#89-754	£150.40 Volume Pricing	3 In Stock
M30.5 x 0.50	NUV	325.00	106.00	#89-755	£160.80 Volume Pricing	Contact Us
M40.5 x 0.50	NUV	325.00	106.00	#89-758	£201.60 Volume Pricing	Contact Us
M43 x 0.75	NUV	325.00	106.00	#89-759	£211.20 Volume Pricing	4 In Stock
M62 x 0.75	NUV	325.00	106.00	#89-762	£351.20 Volume Pricing	2 In Stock
M22.5 x 0.50	Blue	470.00	85.00	#89-763	£145.60 Volume Pricing	7 In Stock
M34 x 0.50	Blue	470.00	85.00	#89-766	£170.40 Volume Pricing	4 In Stock
M35.5 x 0.50	Blue	470.00	85.00	#89-767	£180.80 Volume Pricing	3 In Stock
M46 x 0.75	Blue	470.00	85.00	#89-770	£241.60 Volume Pricing	2 In Stock
M55 x 0.75	Blue	470.00	85.00	#89-771	£270.40 Volume Pricing	3 In Stock
M25.5 x 0.50	Cyan	518.00	95.00	#89-774	£150.40 Volume Pricing	2 In Stock
M30.5 x 0.50	Cyan	518.00	95.00	#89-775	£160.80 Volume Pricing	1 In Stock

M40.5 x 0.50	Cyan	518.00	95.00	#89-778	£201.60 Volume Pricing	2 In Stock
M43 x 0.75	Cyan	518.00	95.00	#89-779	£211.20 Volume Pricing	4 In Stock
M62 x 0.75	Cyan	518.00	95.00	#89-782	£351.20 Volume Pricing	1 In Stock
M22.5 x 0.50	Green	525.00	92.00	#89-783	£145.60 Volume Pricing	1 In Stock
M34 x 0.50	Green	525.00	92.00	#89-786	£170.40 Volume Pricing	6 In Stock
M35.5 x 0.50	Green	525.00	92.00	#89-787	£180.80 Volume Pricing	2 In Stock
M46 x 0.75	Green	525.00	92.00	#89-790	£241.60 Volume Pricing	2 In Stock
M55 x 0.75	Green	525.00	92.00	#89-791	£270.40 Volume Pricing	3 In Stock
M22.5 x 0.50	VIS	548.00	290.00	#89-793	£145.60 Volume Pricing	3 In Stock
M34 x 0.50	VIS	548.00	290.00	#89-796	£170.40 Volume Pricing	20+ In Stock
M35.5 x 0.50	VIS	548.00	290.00	#89-797	£180.80 Volume Pricing	6 In Stock
M46 x 0.75	VIS	548.00	290.00	#89-800	£241.60 Volume Pricing	5 In Stock
M55 x 0.75	VIS	548.00	290.00	#89-801	£270.40 Volume Pricing	5 In Stock
M25.5 x 0.50	Orange	590.00	78.00	#89-804	£150.40 Volume Pricing	4 In Stock
M30.5 x 0.50	Orange	590.00	78.00	#89-805	£160.80 Volume Pricing	3 In Stock
M40.5 x 0.50	Orange	590.00	78.00	#89-808	£201.60 Volume Pricing	Contact Us
M43 x 0.75	Orange	590.00	78.00	#89-809	£211.20 Volume Pricing	3 In Stock
M62 x 0.75	Orange	590.00	78.00	#89-812	£351.20 Volume Pricing	3 In Stock
M22.5 x 0.50	Light Red	633.00	70.00	#89-813	£145.60 Volume Pricing	5 In Stock
M34 x 0.50	Light Red	633.00	70.00	#89-816	£170.40 Volume Pricing	3 In Stock

M35.5 x 0.50	Light Red	633.00	70.00	#89-817	£180.80 Volume Pricing	2 In Stock
M46 x 0.75	Light Red	633.00	70.00	#89-820	£241.60 Volume Pricing	2 In Stock
M55 x 0.75	Light Red	633.00	70.00	#89-821	£270.40 Volume Pricing	3 In Stock
M22.5 x 0.50	Dark Red	660.00	66.00	#89-823	£145.60 Volume Pricing	2 In Stock
M34 x 0.50	Dark Red	660.00	66.00	#89-826	£170.40 Volume Pricing	7 In Stock
M35.5 x 0.50	Dark Red	660.00	66.00	#89-827	£180.80 Volume Pricing	3 In Stock
M46 x 0.75	Dark Red	660.00	66.00	#89-830	£241.60 Volume Pricing	3 In Stock
M55 x 0.75	Dark Red	660.00	66.00	#89-831	£270.40 Volume Pricing	Contact Us
M22.5 x 0.50	IR	880.00	135.00	#89-833	£145.60 Volume Pricing	3 In Stock
M34 x 0.50	IR	880.00	135.00	#89-836	£170.40 Volume Pricing	2 In Stock
M35.5 x 0.50	IR	880.00	135.00	#89-837	£180.80 Volume Pricing	17 In Stock
M46 x 0.75	IR	880.00	135.00	#89-840	£241.60 Volume Pricing	3 In Stock
M55 x 0.75	IR	880.00	135.00	#89-841	£270.40 Volume Pricing	4 In Stock



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