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TECHSPEC® $\lambda/4$ N-BK7 Laser Line Windows See More by [SCHOTT Optical Components](#)

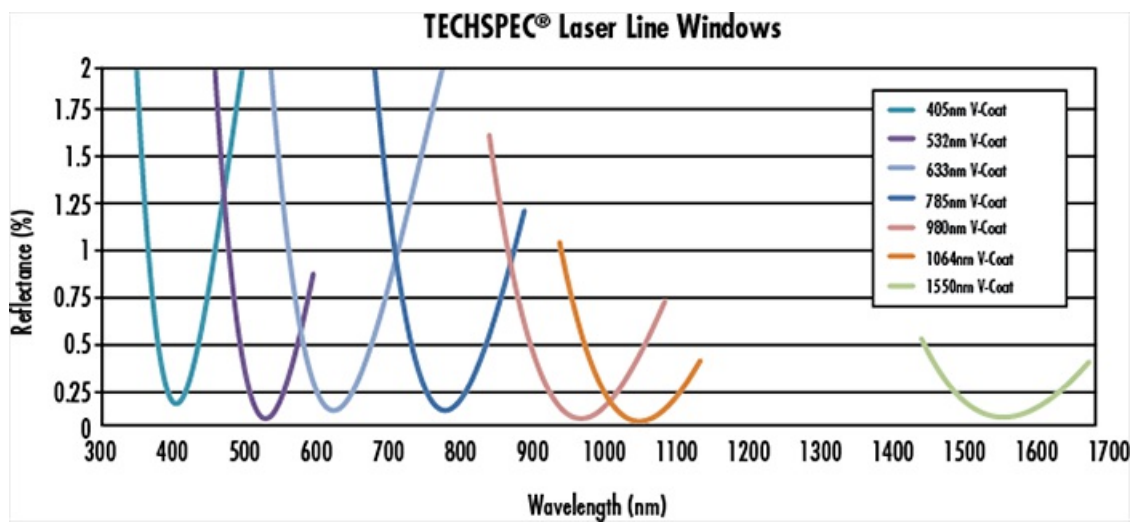


- <0.25% Reflection at Design Wavelength
- Coatings Available for HeNe, Diode, and Nd:YAG Laser Sources
- Precision N-BK7 Substrate
- Also Available [Uncoated](#), [MgF₂ Coated](#) and [VIS 0° Coated](#)

Common Specifications

Physical & Mechanical Properties			
Parallelism (arcmin):	≤1	Bevel:	Protective as needed
Clear Aperture (%):	90	Edges:	Fine Ground
Poisson's Ratio:	0.206	Young's Modulus (GPa):	82
Knoop Hardness (kg/mm ²):	610		
Optical Properties			
Substrate:	N-BK7		
Index of Refraction (n _d):	1.516	Surface Quality:	60-40
Abbe Number (v _d):	64.17	Surface Flatness (P-V):	λ/4
Material Properties			
Density (g/cm ³):	2.51	Coefficient of Thermal Expansion CTE (10 ⁻⁶ /°C):	7.1 (-30 to +70°C) 8.3 (+20 to +300°C)

Technical Information



Products

Coating	Dia. (mm)	Thickness (mm)	DWL (nm)	Stock Number	Price	Buy
Laser V-Coat (405nm)	5.00	2.00	405	#64-035	₹6,381 Qty 6+ ₹5,135	10 to 12 days
Laser V-Coat (532nm)	5.00	2.00	532	#49-125	₹6,381 Qty 6+ ₹5,135	10 to 12 days
Laser V-Coat (633nm)	5.00	2.00	633	#49-135	₹6,381 Qty 6+ ₹5,135	10 to 12 days
Laser V-Coat (785nm)	5.00	2.00	785	#64-045	₹6,381 Qty 6+ ₹5,135	10 to 12 days
Laser V-Coat (980nm)	5.00	2.00	980	#83-515	₹6,381 Qty 6+ ₹5,135	10 to 12 days
Laser V-Coat (1064nm)	5.00	2.00	1064	#49-145	₹6,381 Qty 6+ ₹5,135	7 days
Laser V-Coat (1550nm)	5.00	2.00	1550	#83-525	₹6,381 Qty 6+ ₹5,135	10 to 12 days
Laser V-Coat (405nm)	9.00	2.00	405	#64-036	₹6,381 Qty 6+ ₹5,135	10 to 12 days
Laser V-Coat (532nm)	9.00	2.00	532	#49-126	₹6,381 Qty 6+ ₹5,135	10 to 12 days
Laser V-Coat (633nm)	9.00	2.00	633	#49-136	₹6,381 Qty 6+ ₹5,135	10 to 12 days
Laser V-Coat (785nm)	9.00	2.00	785	#64-046	₹6,381 Qty 6+ ₹5,135	10 to 12 days
Laser V-Coat (980nm)	9.00	2.00	980	#83-516	₹6,381 Qty 6+ ₹5,135	10 to 12 days
Laser V-Coat (1064nm)	9.00	2.00	1064	#49-146	₹6,381 Qty 6+ ₹5,135	10 to 12 days
Laser V-Coat (1550nm)	9.00	2.00	1550	#83-526	₹6,381 Qty 6+ ₹5,135	10 to 12 days
Laser V-Coat (405nm)	10.00	2.00	405	#64-037	₹6,381 Qty 6+ ₹5,135	10 to 12 days
Laser V-Coat (532nm)	10.00	2.00	532	#49-127	₹6,381 Qty 6+ ₹5,135	10 to 12 days

Laser V-Coat (633nm)	10.00	2.00	633	#49-137	₹6,381 Qty 6+ ₹5,135	10 to 12 days
Laser V-Coat (785nm)	10.00	2.00	785	#64-047	₹6,381 Qty 6+ ₹5,135	10 to 12 days
Laser V-Coat (980nm)	10.00	2.00	980	#83-517	₹6,381 Qty 6+ ₹5,135	10 to 12 days
Laser V-Coat (1064nm)	10.00	2.00	1064	#49-147	₹6,381 Qty 6+ ₹5,135	10 to 12 days
Laser V-Coat (1550nm)	10.00	2.00	1550	#83-527	₹6,381 Qty 6+ ₹5,135	10 to 12 days
Laser V-Coat (405nm)	12.50	3.00	405	#64-038	₹6,381 Qty 6+ ₹5,135	10 to 12 days
Laser V-Coat (532nm)	12.50	3.00	532	#49-128	₹6,381 Qty 6+ ₹5,135	10 to 12 days
Laser V-Coat (633nm)	12.50	3.00	633	#49-138	₹6,381 Qty 6+ ₹5,135	10 to 12 days
Laser V-Coat (785nm)	12.50	3.00	785	#64-048	₹6,381 Qty 6+ ₹5,135	10 to 12 days
Laser V-Coat (980nm)	12.50	3.00	980	#83-518	₹6,381 Qty 6+ ₹5,135	10 to 12 days
Laser V-Coat (1064nm)	12.50	3.00	1064	#49-148	₹6,381 Qty 6+ ₹5,135	10 to 12 days
Laser V-Coat (1550nm)	12.50	3.00	1550	#83-528	₹6,381 Qty 6+ ₹5,135	10 to 12 days
Laser V-Coat (405nm)	15.00	3.00	405	#64-039	₹6,491 Qty 6+ ₹5,208	10 to 12 days
Laser V-Coat (532nm)	15.00	3.00	532	#49-129	₹6,491 Qty 6+ ₹5,208	10 to 12 days
Laser V-Coat (633nm)	15.00	3.00	633	#49-139	₹6,491 Qty 6+ ₹5,208	10 to 12 days
Laser V-Coat (785nm)	15.00	3.00	785	#64-049	₹6,491 Qty 6+ ₹5,208	Contact Us
Laser V-Coat (980nm)	15.00	3.00	980	#83-519	₹6,491 Qty 6+ ₹5,208	10 to 12 days
Laser V-Coat (1064nm)	15.00	3.00	1064	#49-149	₹6,491 Qty 6+ ₹5,208	10 to 12 days
Laser V-Coat (1550nm)	15.00	3.00	1550	#83-529	₹6,491 Qty 6+ ₹5,208	10 to 12 days

Laser V-Coat (405nm)	20.00	3.00	405	#64-040	₹6,858 Qty 6+ ₹5,501	10 to 12 days
Laser V-Coat (532nm)	20.00	3.00	532	#49-130	₹6,858 Qty 6+ ₹5,501	10 to 12 days
Laser V-Coat (633nm)	20.00	3.00	633	#49-140	₹6,858 Qty 6+ ₹5,501	10 to 12 days
Laser V-Coat (785nm)	20.00	3.00	785	#64-050	₹6,858 Qty 6+ ₹5,501	10 to 12 days
Laser V-Coat (980nm)	20.00	3.00	980	#83-520	₹6,858 Qty 6+ ₹5,501	10 to 12 days
Laser V-Coat (1064nm)	20.00	3.00	1064	#49-150	₹6,858 Qty 6+ ₹5,501	10 to 12 days
Laser V-Coat (1550nm)	20.00	3.00	1550	#83-530	₹6,858 Qty 6+ ₹5,501	10 to 12 days
Laser V-Coat (405nm)	25.00	4.00	405	#64-041	₹7,482 Qty 6+ ₹6,015	10 to 12 days
Laser V-Coat (532nm)	25.00	4.00	532	#49-131	₹7,482 Qty 6+ ₹6,015	10 to 12 days
Laser V-Coat (633nm)	25.00	4.00	633	#49-141	₹7,482 Qty 6+ ₹6,015	10 to 12 days
Laser V-Coat (785nm)	25.00	4.00	785	#64-051	₹7,482 Qty 6+ ₹6,015	10 to 12 days
Laser V-Coat (980nm)	25.00	4.00	980	#83-521	₹7,482 Qty 6+ ₹6,015	10 to 12 days
Laser V-Coat (1064nm)	25.00	4.00	1064	#49-151	₹7,482 Qty 6+ ₹6,015	10 to 12 days
Laser V-Coat (1550nm)	25.00	4.00	1550	#83-531	₹7,482 Qty 6+ ₹6,015	10 to 12 days
Laser V-Coat (405nm)	30.00	4.00	405	#64-042	₹7,702 Qty 6+ ₹6,161	10 to 12 days
Laser V-Coat (532nm)	30.00	4.00	532	#49-132	₹7,702 Qty 6+ ₹6,161	Contact Us
Laser V-Coat (633nm)	30.00	4.00	633	#49-142	₹7,702 Qty 6+ ₹6,161	10 to 12 days
Laser V-Coat (785nm)	30.00	4.00	785	#64-052	₹7,702 Qty 6+ ₹6,161	10 to 12 days
Laser V-Coat (980nm)	30.00	4.00	980	#83-522	₹7,702 Qty 6+ ₹6,161	10 to 12 days

Laser V-Coat (1064nm)	30.00	4.00	1064	#49-152	₹7,702 Qty 6+ ₹6,161	10 to 12 days
Laser V-Coat (1550nm)	30.00	4.00	1550	#83-532	₹7,702 Qty 6+ ₹6,161	10 to 12 days
Laser V-Coat (405nm)	40.00	4.00	405	#64-043	₹8,729 Qty 6+ ₹6,968	10 to 12 days
Laser V-Coat (532nm)	40.00	4.00	532	#49-133	₹8,729 Qty 6+ ₹6,968	10 to 12 days
Laser V-Coat (633nm)	40.00	4.00	633	#49-143	₹8,729 Qty 6+ ₹6,968	10 to 12 days
Laser V-Coat (785nm)	40.00	4.00	785	#64-053	₹8,729 Qty 6+ ₹6,968	10 to 12 days
Laser V-Coat (980nm)	40.00	4.00	980	#83-523	₹8,729 Qty 6+ ₹6,968	10 to 12 days
Laser V-Coat (1064nm)	40.00	4.00	1064	#49-153	₹8,729 Qty 6+ ₹6,968	10 to 12 days
Laser V-Coat (1550nm)	40.00	4.00	1550	#83-533	₹8,729 Qty 6+ ₹6,968	Contact Us
Laser V-Coat (405nm)	50.00	4.00	405	#64-044	₹9,022 Qty 6+ ₹7,188	Contact Us
Laser V-Coat (532nm)	50.00	4.00	532	#49-134	₹9,022 Qty 6+ ₹7,188	10 to 12 days
Laser V-Coat (633nm)	50.00	4.00	633	#49-144	₹9,022 Qty 6+ ₹7,188	10 to 12 days
Laser V-Coat (785nm)	50.00	4.00	785	#64-054	₹9,022 Qty 6+ ₹7,188	Contact Us
Laser V-Coat (980nm)	50.00	4.00	980	#83-524	₹9,022 Qty 6+ ₹7,188	10 to 12 days
Laser V-Coat (1064nm)	50.00	4.00	1064	#49-154	₹9,022 Qty 6+ ₹7,188	10 to 12 days
Laser V-Coat (1550nm)	50.00	4.00	1550	#83-534	₹9,022 Qty 6+ ₹7,188	10 to 12 days



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Phone: 1-800-363-1992 :

www.edmundoptics.com