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TECHSPEC® $\lambda/20$ High Power Laser Line Windows

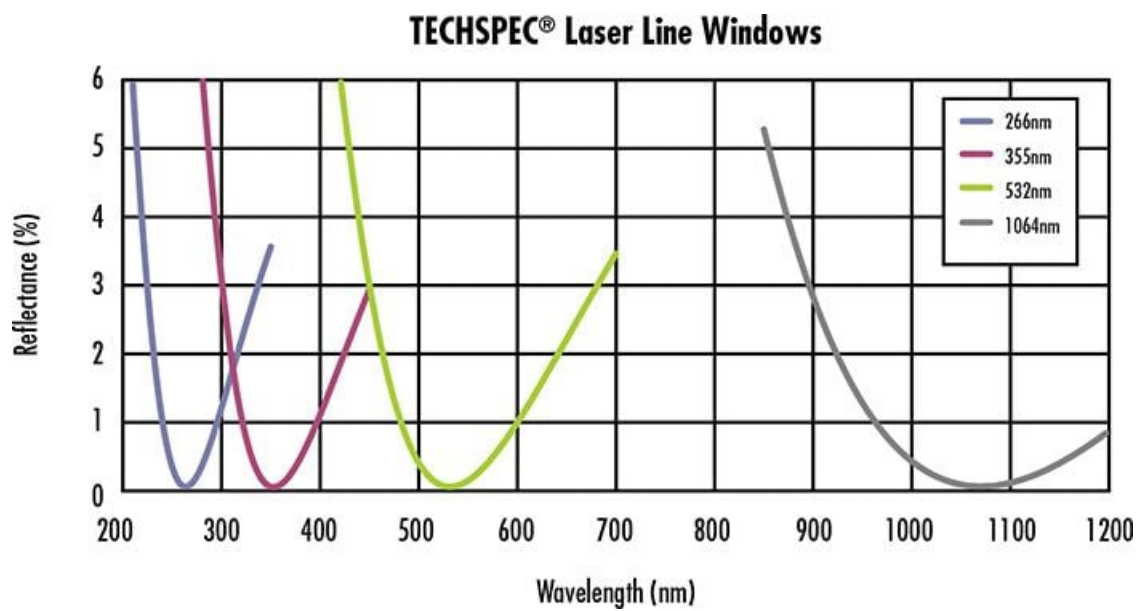


- $R < 0.25\%$ for 266nm, 355nm, 532nm or 1064nm
- Low Auto-Fluorescence
- Damage Thresholds up to 10 J/cm^2 @ 10ns @ 1064nm

Common Specifications

Physical & Mechanical Properties			
Thickness (mm):	3.00 ±0.10	Bevel:	Protective as needed
Clear Aperture (%):	90	Edges:	Fine Ground
Parallelism (arcsec):	≤5	Poisson's Ratio:	0.16
Young's Modulus (GPa):	73	Knoop Hardness (kg/mm ²):	522.00
Optical Properties			
Angle of Incidence (°):	0	Substrate:	Fused Silica Excimer Grade (Corning 7980 KrF)
Index of Refraction (n _d):	1.458	Surface Quality:	10-5
Transmitted Wavefront, P-V:	λ/20	Abbe Number (v _d):	67.8
Material Properties			
Density (g/cm ³):	2.20	Coefficient of Thermal Expansion CTE (10 ⁻⁶ /°C):	0.52 (+5 to +35°C) 0.57 (0 to +200°C) 0.48 (-100 to +200°C)
Fused Silica Grade:	7980 KrF 0A		

Technical Information



Products

Coating	Dia. (mm)	Thickness (mm)	DWL (nm)	Stock Number	Price	Buy
Uncoated	5.00	3.00	-	#65-850	C\$190.40 Volume Pricing	20+ In Stock
Uncoated	10.00	3.00	-	#65-855	C\$190.40 Volume Pricing	20+ In Stock
Uncoated	20.00	3.00	-	#65-860	C\$214.20 Volume Pricing	11 In Stock
Uncoated	50.00	3.00	-	#65-865	C\$382.20 Volume Pricing	20+ In Stock
Laser V-Coat (266nm)	5.00	3.00	266	#65-851	C\$212.80 Volume Pricing	20+ In Stock
Laser V-Coat (266nm)	10.00	3.00	266	#65-856	C\$212.80 Volume Pricing	Contact Us
Laser V-Coat (266nm)	20.00	3.00	266	#65-861	C\$228.20 Volume Pricing	2 In Stock
Laser V-Coat (266nm)	50.00	3.00	266	#65-866	C\$441.00 Volume Pricing	2 In Stock
Laser V-Coat (355nm)	5.00	3.00	355	#65-852	C\$212.80 Volume Pricing	5 In Stock
Laser V-Coat (355nm)	10.00	3.00	355	#65-857	C\$212.80 Volume Pricing	1 In Stock
Laser V-Coat (355nm)	20.00	3.00	355	#65-862	C\$228.20 Volume Pricing	Contact Us
Laser V-Coat (355nm)	50.00	3.00	355	#65-867	C\$441.00 Volume Pricing	Contact Us
Laser V-Coat (532nm)	5.00	3.00	532	#65-853	C\$212.80 Volume Pricing	1 In Stock
Laser V-Coat (532nm)	10.00	3.00	532	#65-858	C\$212.80 Volume Pricing	3 In Stock
Laser V-Coat (532nm)	20.00	3.00	532	#65-863	C\$228.20 Volume Pricing	Contact Us
Laser V-Coat (532nm)	50.00	3.00	532	#65-868	C\$441.00 Volume Pricing	Contact Us

Laser V-Coat (1064nm)	5.00	3.00	1064	#65-854	C\$212.80 Volume Pricing	20+ In Stock
Laser V-Coat (1064nm)	10.00	3.00	1064	#65-859	C\$212.80 Volume Pricing	Contact Us
Laser V-Coat (1064nm)	20.00	3.00	1064	#65-864	C\$228.20 Volume Pricing	Contact Us
Laser V-Coat (1064nm)	50.00	3.00	1064	#65-869	C\$441.00 Volume Pricing	20+ In Stock



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