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TECHSPEC® High Precision Laser Grade Aspheric Lenses



- Substrate Shape and Coating Optimized for Nd:YAG Laser Wavelengths
- High Precision Aspheric Surface
- Strehl Ratio > 0.8

Common Specifications

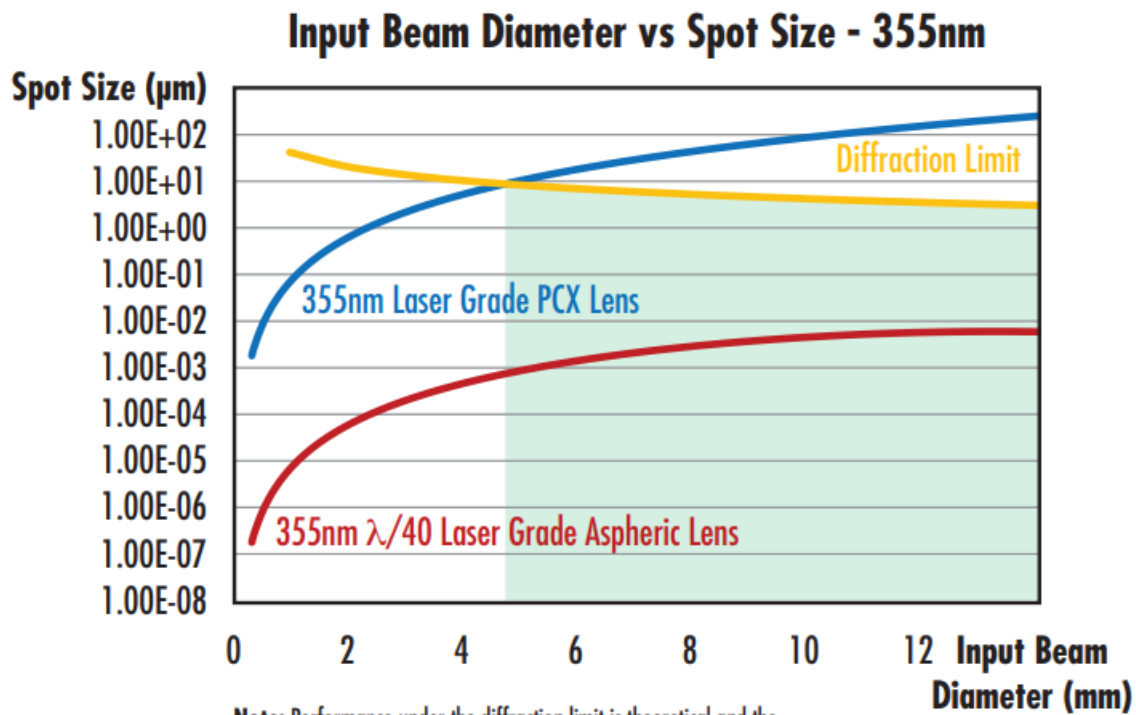
Physical & Mechanical Properties

Centering (arcmin):	<1	Bevel:	Protective as needed
Shape of Back Surface:	Plano		

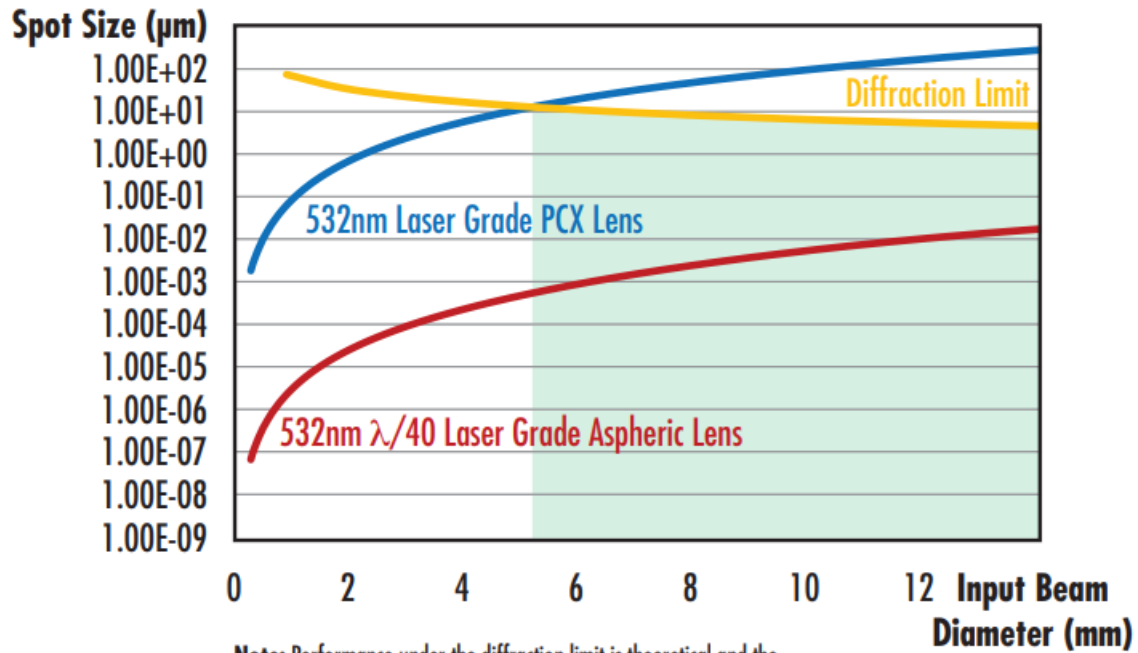
Optical Properties

Numerical Aperture NA:	0.25		
Substrate:	Fused Silica (Corning 7980)	Asphere Figure Error, RMS @ 632.8nm:	$\lambda/40$
Surface Quality:	10-5	f/#:	2
Spot Size (μm):	See Technical Information Tab	Conjugate Distance:	Infinite

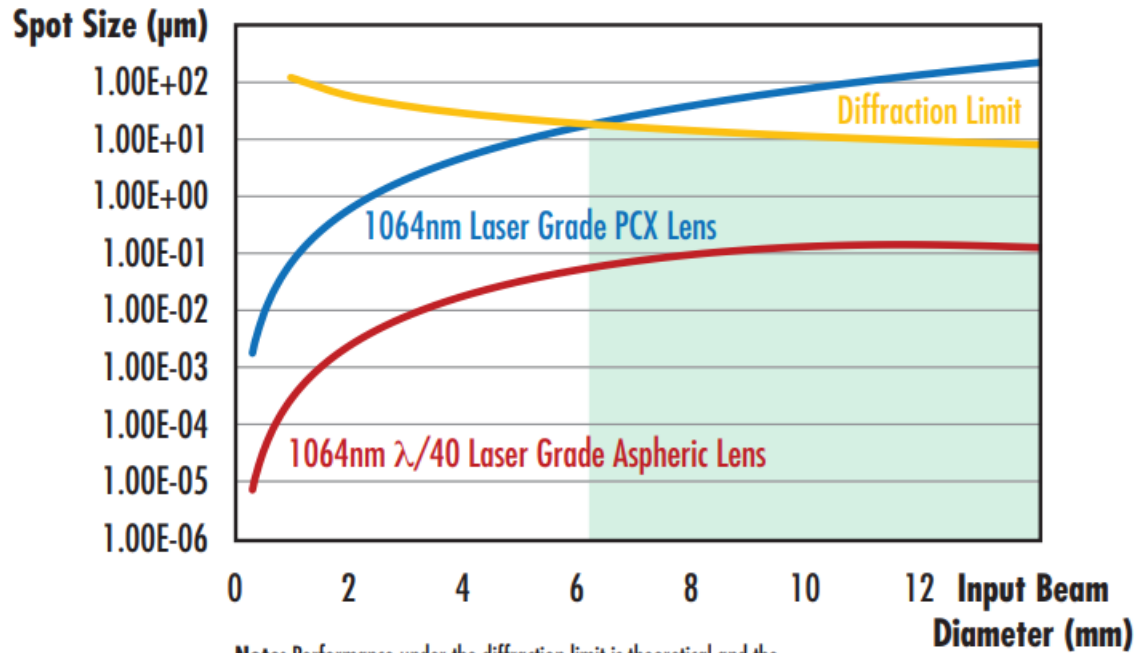
Technical Information



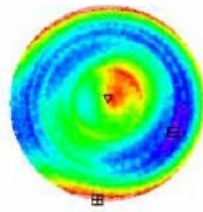
Input Beam Diameter vs Spot Size - 532nm



Input Beam Diameter vs Spot Size - 1064nm

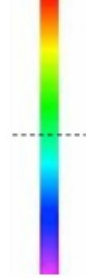


$\pm 0.500\mu\text{m}$ Scale (PV)

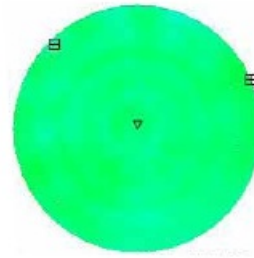


CNC Polished Asphere
Irregularity: $<1/3\lambda$ RMS

+ 0.500 μm

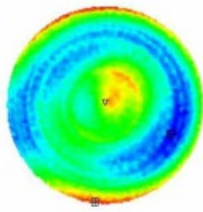


- 0.500 μm



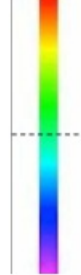
MRF Finished Asphere
Irregularity: $<1/40\lambda$ RMS

$\pm 1\lambda$ Scale (PV)

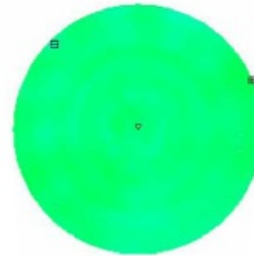


CNC Polished Asphere
Irregularity: $<1/3\lambda$ RMS

+1 λ



-1 λ



MRF Finished Asphere
Irregularity: $<1/40\lambda$ RMS

Products

Dia. (mm)	EFL (mm)	NA	Coating	Stock Number	Price	Buy
25.40	50.80	0.25	Laser V-Coat (355nm)	#39-556	A\$1,252.48	4 In Stock
25.40	50.80	0.25	Laser V-Coat (532nm)	#39-558	A\$1,417.28	2 In Stock
25.40	50.80	0.25	Laser V-Coat (1064nm)	#39-560	A\$1,417.28	5 In Stock
50.80	101.60	0.25	Laser V-Coat (355nm)	#39-563	A\$1,631.52	2 In Stock
50.80	101.60	0.25	Laser V-Coat (532nm)	#39-565	A\$1,928.16	20+ In Stock
50.80	101.60	0.25	Laser V-Coat (1064nm)	#39-567	A\$1,928.16	14 In Stock



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