

[All Products](#) / [Optics](#) / [Optical Lenses](#) / [Aspheric Lenses](#) / [Glass Polished](#)

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

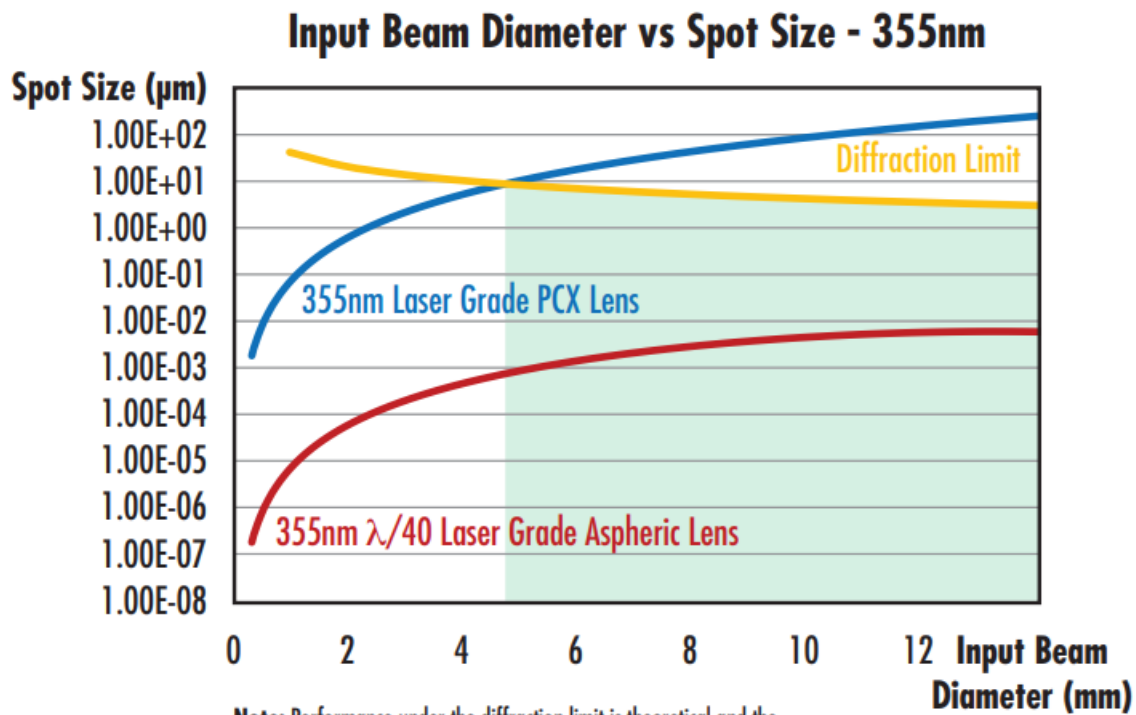
Physical & Mechanical Properties

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

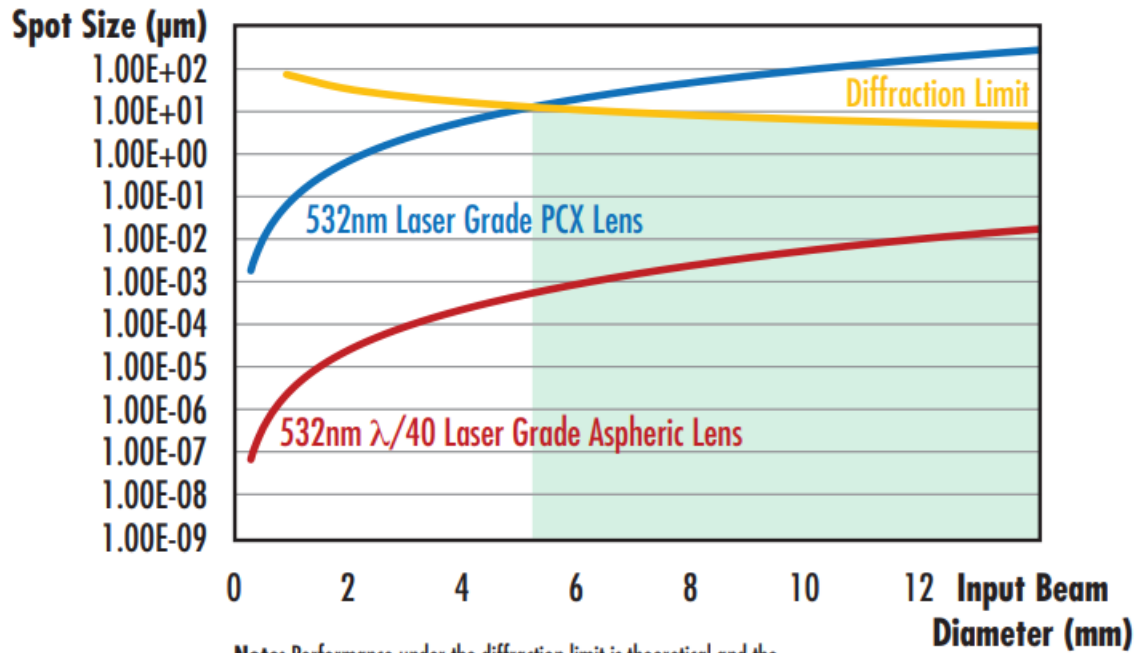
Optical Properties

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

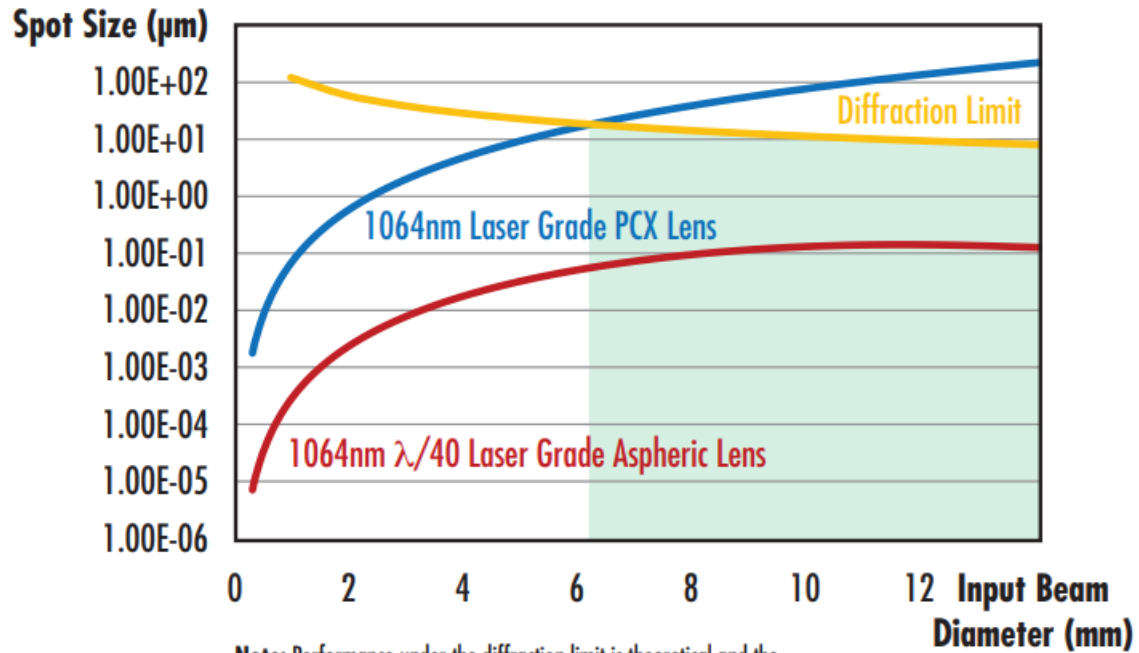
Technical Information



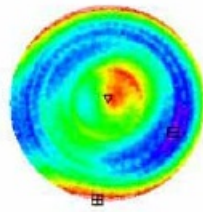
Input Beam Diameter vs Spot Size - 532nm



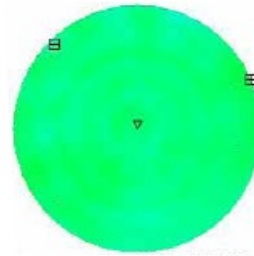
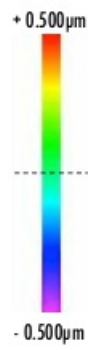
Input Beam Diameter vs Spot Size - 1064nm



+/- 0.500 μ m Scale (PV)

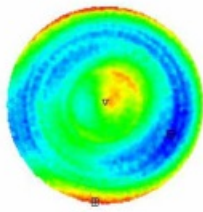


CNC Polished Asphere
Irregularity: $<1/3\lambda$ RMS

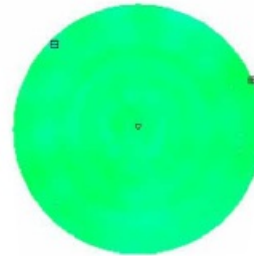
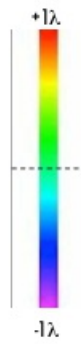


MRF Finished Asphere
Irregularity: $<1/40\lambda$ RMS

+/- 1λ Scale (PV)



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



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	£664.00 Volume Pricing	4 In Stock
25.40	50.80	0.25	Laser V-Coat (532nm)	#39-558	£736.00 Volume Pricing	2 In Stock
25.40	50.80	0.25	Laser V-Coat (1064nm)	#39-560	£736.00 Volume Pricing	5 In Stock
50.80	101.60	0.25	Laser V-Coat (355nm)	#39-563	£840.00 Volume Pricing	2 In Stock
50.80	101.60	0.25	Laser V-Coat (532nm)	#39-565	£1,000.00 Volume Pricing	20+ In Stock
50.80	101.60	0.25	Laser V-Coat (1064nm)	#39-567	£1,000.00 Volume Pricing	14 In Stock



Copyright 2023 | Edmund Optics, Ltd Unit 1, Opus Avenue, Nether Poppleton, York, YO26 6BL, UK

Phone: 1-800-363-1992 :

www.edmundoptics.com