

# TECHSPEC® VEGA™ Nd:YAG LASER LINE BEAM EXPANDERS

266nm • 10X #35-114

- $\lambda/10$  Transmitted Wavefront Error
- Fused Silica Substrate Offers Excellent Price and Performance
- Divergence Adjustment to Compensate for Input Beam Divergence
- TECHSPEC® Vega™ Broadband Beam Expanders Also Available



TECHSPEC® Vega™ Nd:YAG Laser Line Beam Expanders are designed for demanding laser applications including laser materials processing, medical, and research. These compact beam expanders are optimized at Nd:YAG wavelengths for high performance transmitted wavefront, with most designs achieving better than  $\lambda/10$  transmitted wavefront error. TECHSPEC® Vega Nd:YAG Laser Line Beam Expanders easily mount with M30 x 1 threading and provide excellent value both for single unit purchases as well as volume integration.

For more cost sensitive applications that don't require divergence adjustment, see our Scorpium™ Nd:YAG Beam expanders. For applications that require sliding optics or larger input apertures, please see our Draconis™ Nd:YAG Laser Line Beam Expanders.

<b>Design Wavelength (DWL):</b>	266nm
<b>Magnification:</b>	10X
<b>Maximum Input Aperture:</b>	7.5mm
<b>Divergence Adjustable:</b>	✓
<b>Maximum Output Aperture:</b>	32mm
<b>Length (Without Threads):</b>	91.9mm
<b>Housing Outer Diameter:</b>	48mm
<b>Weight:</b>	258g
<b>Damage Threshold:</b>	1.5 J/cm <sup>2</sup> @ 266nm, 10ns, 20Hz
<b>Transmission @ DWL:</b>	>97 (nominal)
<b>Lens Material:</b>	Fused Silica
<b>Coating:</b>	$R_{\text{obs}} < 0.25\%$ @ 266nm
<b>Mounting Thread:</b>	M30 x 1

