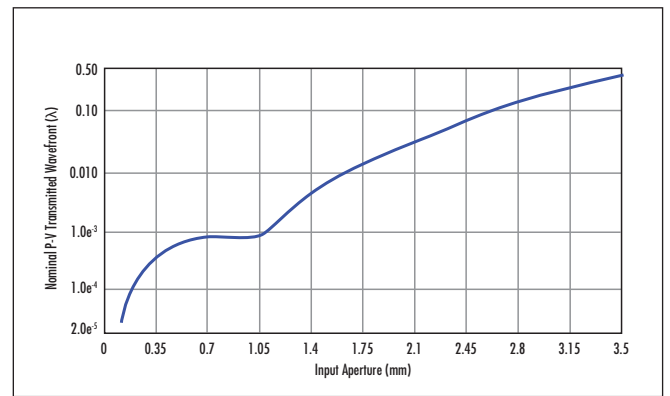
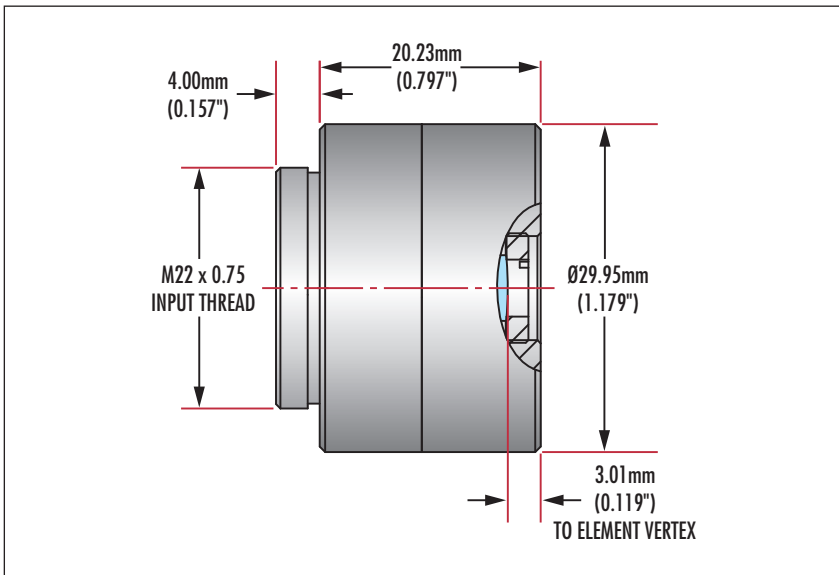


# TECHSPEC® Scorpium™ Nd:YAG Beam Expanders 532nm • 2X #37-047

TECHSPEC® Scorpium™ Nd:YAG Beam Expanders are designed for beam expansion applications such as laser engraving and material processing. These beam expanders feature AR coatings and are designed for the Nd:YAG laser wavelengths 355nm, 532nm, and 1064nm. The Scorpium beam expanders are available in multiple fixed magnifications from 2X to 10X with M22 x 0.75 threading. TECHSPEC® Scorpium™ Nd:YAG Beam Expanders are a cost-effective solution for system integration. Ideal for OEM quantities, these beam expanders can quickly meet prototyping and application timelines.

|  |               |
|--|---------------|
| <b>Design Wavelength:</b>                        | 532nm         |
| <b>Expansion Power:</b>                          | 2X            |
| <b>Design Wavefront (P-V):</b>                   | $\lambda/4$   |
| <b>Max Beam to Fill 85% of Output Aperture*:</b> | 2.2mm         |
| <b>Transmission @ DWL:</b>                       | 98%           |
| <b>Entrance Aperture:</b>                        | 3.5mm         |
| <b>Exit Aperture:</b>                            | 5.2mm         |
| <b>Housing Diameter:</b>                         | 29.95mm       |
| <b>Overall Length:</b>                           | 20mm          |
| <b>Weight:</b>                                   | 40g           |
| <b>Mounting Thread:</b>                          | M22 x 0.75    |
| <b>Substrate:</b>                                | Optical Glass |
| <b>Divergence Adjustment:</b>                    | None          |

\*Maximum beam diameter to utilize full clear aperture of the beam expander  
Specifications subject to change



TECHSPEC® Scorpium™ Nd:YAG Beam Expanders are designed with diffraction-limited performance for a range of input beam diameters. These beam expanders are designed to increase the input beam diameter to a larger collimated beam. For custom wavelength and magnification combinations, please contact us.