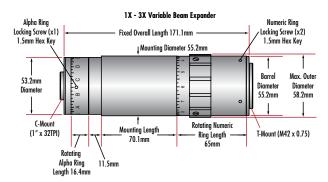
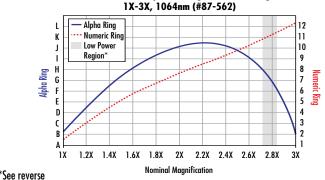


## **TECHSPEC® VARIABLE BEAM EXPANDER INSTRUCTIONS**

## 1X-3X, 1064nm, #87-562



## Variable Beam Expander Magnification Settings



Beam expander magnification and collimation is set by adjusting both the Alpha and Numeric rings using the magnification settings chart as a guideline. Nominal magnification is indicated along the x-axis, and the settings of the Alpha and Numeric rings are indicated along the y-axes. The **blue curve** follows the rotation of the Alpha ring and the **red curve** follows the rotation of the Numeric ring. **Note:** These are nominal settings. Some adjustment for your individual application may be necessary for optimal performance.

To set the beam expander to a specific magnification:

- 1. Find the desired nominal magnification along the x-axis and trace a vertical line up through the blue and red curves.
- The intersection of that vertical line with the blue curve
  corresponds to a letter on the left y-axis. Rotate the alpha
  ring to that location. Hash marks are provided between
  each letter on the ring to help dial in the required
  magnification.
- The intersection of that vertical line with the red curve corresponds to a number on the right y-axis. Rotate the numeric ring to that location. Hash marks are provided between each number on the ring to help dial in the required magnification.

**For Example -** To set a magnification of 1.6X, turn the alpha ring to H and the numeric ring to 6.

part #84132410

www.edmundoptics.com/vari-beam

For Stock No. 87-562

