

## TECHSPEC® 1064nm 2X – 8X Gemma® Variable Beam Expander



Stock #15-544 3-4 DAYS

⊖ 1 ⊕ **€1.645,00**

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Qty 1-4

€1.645,00

Qty 5+

€1.455,00

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**Coating:**  
Laser V-Coat (1064nm)

**Design Wavelength DWL (nm):**  
1064

**Entrance Aperture (mm):**  
14.5

**Exit Aperture (mm):**

30

**Expansion Power:**

2X - 8X

**Substrate:** [Fused Silica](#) (Corning 7980)**Length (mm):**

157.50 (without end caps)

**Mounting Threads:**

Input: Male M30 x 1.0

Output: Female M42 x 0.5

**Transmission (%):**

&gt;97.5 @ DWL

**Type:**

Beam Expander

**Weight (g):**

501

**Housing Diameter (mm):**

48

**Transmitted Wavefront, P-V:**

&lt;N/10 for Input Beam 3.5mm (2X-6X)

&lt;N/10 for Input Beam 2mm (2X-8X)

**Coating Specification:**R<sub>abs</sub> <0.25% @ 1063 - 1065nmR<sub>avg</sub> <0.5% @ 1030 - 1100nm**Wavelength Range (nm):**

1030 - 1100

**Style:**

Variable Magnification

**Damage Threshold, By Design:** 10 J/cm<sup>2</sup> (>3X), 5 J/cm<sup>2</sup> (2-3X) @ 1064nm, 10ns, 20Hz**Divergence Adjustment:**

Non-Rotating Optics

**Pointing Accuracy (mrad):**

&lt;1

**Damage Threshold, Pulsed:**10 J/cm<sup>2</sup> (>3X), 5 J/cm<sup>2</sup> (2-3X) @ 1064nm, 10ns, 20Hz

## Regulatory Compliance

**RoHS:**[Compliant](#)**Certificate of Conformance:**[View](#)