

5X, Coherent® CO<sub>2</sub> Beam Expander

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CO<sub>2</sub> Beam Expanders

Stock **#11-365** **5 In Stock**

-

1

+

€1.010<sup>.00</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-4        | €1.010,00 each                |
| Qty 5-9        | €910,00 each                  |
| Qty 10-24      | €805,00 each                  |
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!

 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Beam Expander

Type:

Fixed Magnification

Style:

Physical & Mechanical Properties

|                                                  |                                     |
|--------------------------------------------------|-------------------------------------|
| 57.58                                            | Length (mm):                        |
| 59                                               | Weight (g):                         |
| 30.48                                            | Housing Diameter (mm):              |
| Optical Properties                               |                                     |
| 11.43                                            | Entrance Aperture (mm):             |
| 22.86                                            | Exit Aperture (mm):                 |
| 5X                                               | Expansion Power:                    |
| Zinc Selenide (ZnSe)                             | Substrate: <input type="checkbox"/> |
| >99.4                                            | Transmission (%):                   |
| 0                                                | Angle of Incidence (°):             |
| High-Efficiency Anti-Reflective Coating (10.6µm) | Coating:                            |
| 10600                                            | Design Wavelength DWL (nm):         |
| 10400 - 10600                                    | Wavelength Range (nm):              |
| R <sub>abs</sub> <0.2% @ 10.6µm                  | Coating Specification:              |
| Rotating Optics                                  | Divergence Adjustment:              |

Threading & Mounting

|                     |                   |
|---------------------|-------------------|
| Input: Male M25 x 1 | Mounting Threads: |
|---------------------|-------------------|

Regulatory Compliance

|           |                             |
|-----------|-----------------------------|
| Compliant | RoHS 2015:                  |
| Compliant | Reach 224:                  |
| View      | Certificate of Conformance: |

Product Details

- Designed for CO<sub>2</sub> Laser Sources at 10.6µm
- Compact Housing for Easy System Integration
- Coherent® Infrared ZnSe Optical Elements

Coherent® CO<sub>2</sub> Beam Expanders are designed to collimate and improve the energy distribution of high power CO<sub>2</sub> laser beams. Featuring premier grade Zinc Selenide (ZnSe) optical elements from Coherent®, these beam expanders provide minimum beam deviation and greater than 99.4% transmission at 10.6µm. A high-efficiency anti-reflective coating on the ZnSe substrates results in reflectance less than 0.2% per surface and absorbance less than 0.1% per surface at 10.6µm. Coherent® CO<sub>2</sub> Beam Expanders feature a compact housing design with M25 input threading for easy integration into CO<sub>2</sub> laser systems. For additional expansion power options, please [contact us](#).

**Note:** II-VI Incorporated is now Coherent Corp.

Special Handling

These optics require special handling to avoid damage and ensure long-term performance. Proper handling, cleaning, and storage are essential to maintain optical quality. Explore our [Optics Cleaning Resources](#) for step-by-step guides and best practices. For personalized assistance, [Email us](#) or [Chat](#) with our technical support team.



Component Handling Tools