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5X, Coherent® CO₂ Beam Expander

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CO₂ Beam Expanders

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

MRP ₹1,01,899

1 Price inclusive of all taxes

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Volume Pricing	
Qty 1-4	₹1,01,899 each
Qty 5-9	₹91,810 each
Qty 10-24	₹81,217 each
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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:**

>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):**

$R_{abs} < 0.2\%$ @ 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:**

Singapore **Country of Origin:**

Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000 **Imported By:**

Product Details

- Designed for CO₂ Laser Sources at 10.6µm
- Compact Housing for Easy System Integration
- Coherent® Infrared ZnSe Optical Elements

Coherent® CO₂ Beam Expanders are designed to collimate and improve the energy distribution of high power CO₂ 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® CO₂ Beam Expanders feature a compact housing design with M25 input threading for easy integration into CO₂ 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

