See all 3 Products in Family

2X, Coherent® CO_2 Beam Expander

See More by Coherent®

CO_2 Beam Expanders

Stock **#11-363** **1 In Stock**

- 1 + **A$1,624**.00

ADD TO CART

Volume Pricing	
Qty 1-4	**A$1,624.00** each
Qty 5-9	**A$1,472.00** each
Qty 10-24	**A$1,304.00** each
Need More?	Request Quote

Product Downloads

General

Type:
Beam Expander

Style:
Fixed Magnification

Physical & Mechanical Properties

Length (mm):

53.65

Weight (g):

60

Housing Diameter (mm):

30.48

Optical Properties

Entrance Aperture (mm):

11.43

Exit Aperture (mm):

22.86

Expansion Power:

2X

Substrate:

Zinc Selenide (ZnSe)

Transmission (%):

>99.4

Angle of Incidence (°):

0

Coating:

High-Efficiency Anti-Reflective Coating (10.6µm)

Design Wavelength DWL (nm):

10600

Wavelength Range (nm):

10400 - 10600

Coating Specification:

R_{abs} <0.2% @ 10.6µm

Divergence Adjustment:

Rotating Optics

Threading & Mounting

Mounting Threads:

Input: Male M25 x 1

Regulatory Compliance

RoHS 2015:

Compliant

Reach 224:

Compliant

Certificate of Conformance:

View

Product Details

- Designed for CO_2 Laser Sources at 10.6µm
- Compact Housing for Easy System Integration
- Coherent® Infrared ZnSe Optical Elements

Coherent® CO_2 Beam Expanders are designed to collimate and improve the energy distribution of high power CO_2 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_2 Beam Expanders feature a compact housing design with M25 input threading for easy integration into CO_2 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

;