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Coherent® Diamond Series CO₂ Laser 1322624 | 40W

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Coherent® Diamond C-Series CO₂ Laser

Stock **#37-078** **1 In Stock**

⊖ 1 ⊕ **A\$10,240⁰⁰**

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Volume Pricing

Qty 1+	A\$10,240.00 each
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Note: This item requires accessories for use | [Learn More](#)

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General

Air **Cooling Method:**

Max. Case Temperature: 60°C **Note:**

IV **Laser Class - CDRH:**

1322624 **Model Number:**

Physical & Mechanical Properties

425 x 92.5 x 154.5 **Dimensions (mm):**

15 **Weight (lbs):**

Optical Properties

>100:1 **Polarization:**

10,600.00 **Wavelength (nm):**

<1.3 **Mode Quality, M²:**

±0.5 **Beam Diameter Tolerance (mm):**

3.6 **Beam Diameter (mm):**

<5 **Beam Divergence (mrad):**

Infrared **Color:**

10,550 - 10,630 **Bandwidth (nm):**

Electrical

±5 **Power Stability (%):**

40 **Output Power (W):**

0 to 100% DC **Operating Duty Cycle:**

0 to 100 **Frequency (kHz):**

Hardware & Interface Connectivity

Power Supply:
Power Supply Required and Sold Separately.
USA: [#17-206](#)
Europe: [#17-206](#)
Japan: [#17-206](#)
Korea: <#>
China: [#17-206](#)

Free Space **Output Type:**

Environmental & Durability Factors

5 to 40 **Operating Temperature (°C):**

-10 to +60 Non-Condensing **Storage Temperature (°C):**

Regulatory Compliance

[Exempt](#) **RoHS 2015:**

[Contains SVHC\(s\)](#) **Reach 224:**

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

Product Details

- Superior Beam Quality and Power Stability for Improved Process Quality
- Fully Sealed Integrated Package with Built-in RF Power Supply
- Wide Power Range with CW or Pulse Width Modulation Control

Coherent® Diamond C-Series CO₂ Lasers offer reliability with more than 50k operating hours, along with superior beam quality and stability. These lasers are ideal for a wide range of applications from marking and engraving to material processing. Coherent® Diamond C-Series CO₂ Lasers offer a compact option with an integrated RF power supply. Maximum output power ranges from 20 to 40 watts, and can be controlled through pulse width modulation (PWM).

Note: Power supply ([#17-206](#)) and Controller ([#37-079](#)) are required for operation.