

# Coherent® Diamond Series CO<sub>2</sub> Laser 1165227 | 20W

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Coherent® Diamond C-Series CO<sub>2</sub> Laser

Stock **#37-077** [CONTACT US](#)

⊖ 1 ⊕ €3.535<sup>00</sup>

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Volume Pricing	
Qty 1+	€3.535,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

**Note:** This item requires accessories for use | [Learn More](#)

## Product Downloads



## General

**Cooling Method:**

Air

**Note:**

Max. Case Temperature: 60°C

**Laser Class - CDRH:**

IV

1165227

Model Number:

## Physical & Mechanical Properties

357 x 92.5 x 154.5  
Dimensions (mm):

14.5  
Weight (lbs):

## Optical Properties

>100:1  
Polarization:

10,600.00  
Wavelength (nm):

<1.2  
Mode Quality, M<sup>2</sup>:

±0.2  
Beam Diameter Tolerance (mm):

1.8  
Beam Diameter (mm):

7.5 ± 0.5  
Beam Divergence (mrad):

Infrared  
Color:

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

## Electrical

±8  
Power Stability (%):

20  
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

[Compliant](#)  
RoHS 2015:

[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 CO<sub>2</sub> 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 CO<sub>2</sub> 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.