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Coherent® Diamond Series CO₂ Laser 1165227 | 20W

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Coherent® Diamond C-Series CO₂ Laser

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

⊖ 1 ⊕ €3.535⁰⁰

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Volume Pricing	
Qty 1+	€3.535,00 each
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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, M²:

±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 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.