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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](#)

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+

S\$4,949^{.00}

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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:**

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 ² :
±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 Required and Sold Separately. USA: #17-206 Europe: #17-206 Japan: #17-206 Korea: # China: #17-206	Power Supply:
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.