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Coherent® Diamond Series CO_2 Laser 1165227 | 20W

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Coherent® Diamond C-Series CO_2 Laser

Stock **#37-077** CONTACT US

- 1 + **A$5,656**.00

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Note: This item requires accessories for use | Learn More

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General

Cooling Method:
Air

Note:
Max. Case Temperature: 60°C

Laser Class - CDRH:
IV

Model Number:
1165227

Physical & Mechanical Properties

Dimensions (mm):
357 x 92.5 x 154.5

Weight (lbs):
14.5

Optical Properties

Polarization:
>100:1

Wavelength (nm):
10,600.00

Mode Quality, M^2:
<1.2

Beam Diameter Tolerance (mm):
±0.2

Beam Diameter (mm):
1.8

Beam Divergence (mrad):
7.5 ±0.5

Color:
Infrared

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

Electrical

Power Stability (%):
±8

Output Power (W):
20

Operating Duty Cycle:
0 to 100% DC

Frequency (kHz):
0 to 100

Hardware & Interface Connectivity

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

Output Type:
Free Space

Environmental & Durability Factors

Operating Temperature (°C):
5 to 40

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

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

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_2 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_2 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.

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