

CO2 RF Laser

Features

- » Air Cooled Design
- » Very Compact
- » 0-100% Duty-Cycle
- » Fast Rise/Fall Time
- » Competitive price



Specification

Mode	D30	D30i	D55	D55i	T80
Wavelength	10600 nm	9300 nm	10600 nm	9300 nm	10600 nm
Nominal Output Power	30 W	> 17 W	55 W	35 W	80 W
Output Power Stability	< ± 5 %	< ± 1.5 %	< ± 5 %	< ± 5 %	< ± 5 %
Beam Size	1.8 ± 0.2 mm	1.8 ± 0.2 mm	1.8 ± 0.2 mm	1.8 ± 0.2 mm	2.5 mm
Beam Quality	M ² < 1.2	M ² < 1.2	M ² < 1.2	M ² < 1.2	M ² < 1.2
Beam Divergence	7.5 ± 0.5 mrad	7.5 ± 0.5 mrad	7.5 ± 0.5 mrad	7.5 ± 0.5 mrad	< 5.2
Polarization	> 100 to 1 fixed linear	> 100 to 1 fixed linear	> 100 to 1 fixed linear	> 100 to 1 fixed linear	> 100 to 1 fixed linear
Rise of Fall Time	75 μs	75 μs	75 μs	75 μs	75 μs
Modulation	0-25 kHz	0-25 kHz	0-25 kHz	0-25 kHz	0-100 kHz
Cooling	Air	Air	Air	Air	Air
Dimensions W*D*H	357x92.5x142 mm	357x92.5x142 mm	537x92.5x154 mm	537x92.5x154 mm	534x220x159 mm
Supply DC Voltage	48 V	48 V	48 V	48 V	48 V
Current Consumption	≤ 12 A	≤ 12 A	≤ 20 A	≤ 20 A	≤ 28 A
Operating Temperature	5 – 40 °C	5 – 40 °C	5 – 40 °C	5 – 40 °C	5 – 40 °C
Storage Temperature	-10 – 60 °C	-10 – 60 °C	-10 – 60 °C	-10 – 60 °C	-10 – 60 °C