

LMxxx Diode Laser Module

short wave (445nm) blue diode laser available

High Power
Industrial Laser



25W - 300W



Typical Applications

Laser soldering and brazing
Laser plastic welding
Laser heat treatment

Laser power up to 300W

Features

Water-cooled or peltier cooled

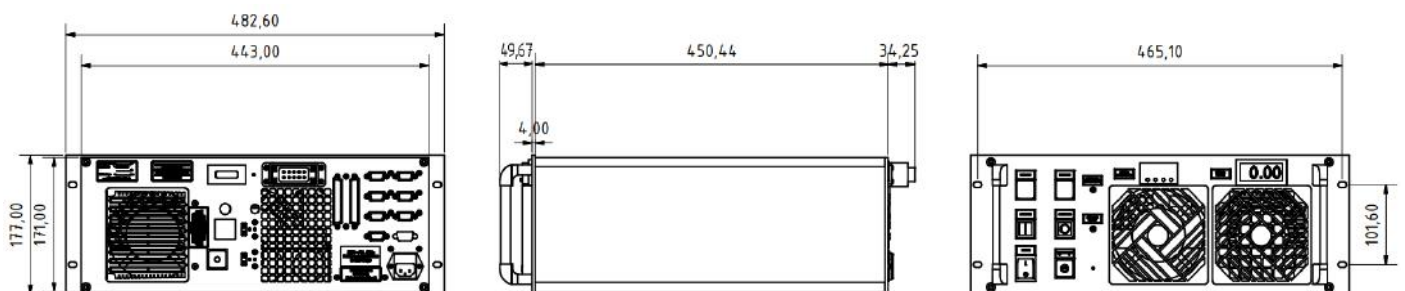
Turn key fiber coupled
Safety interlock performance level e
Detachable or pigtailed fiber

Technical Data

	LMxxx Laser Module
Output power:	various models from 25W up to 300W optical power
Laser safety:	laser class 4 (according to DIN EN 60825-1 Safety of laser products)
Wavelength:	445nm, 808nm to 980nm
Laser type:	fiber coupled diode laser
Rise time t_{90} :	300 μ s
Curent Noise:	0.1% typical 50mA peak to peak
Operation mode:	cw, continous wave
Cooling mode:	peltier cooling up to 140W, external water cooler for higher power
Diameter of optical fiber:	100 μ m to 600 μ m
Optical fiber length:	5m, 10m , others on demand
Power Control:	analog IN 0V - 10V (0% -100%) (typical LASCON® process controller)
Integrated interlock:	emergency stop: category 4, performance level e
Diameter of optical fiber:	100 μ m to 600 μ m
Optical fiber length:	5m, 10m , others on demand
Power supply:	230VAC (100VAC - 240VAC), 50Hz to 60Hz
Protection:	Front IP50
Ambient temperature:	+5°C to +35°C for operation, no condensation
Dimensions:	450mm x 485mm x 178mm, 19"-4U-electronic rack
Weight:	23.0 kg

Dimensions

19" -4U electronic rack



You are solely responsible for selecting the appropriate product for your application, validating and testing your application, and ensuring your application meets applicable standards, and any other safety, security, or other requirements.
Data are subject to be changed without notice.

ultimate laser processing

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