



LD-915-10W-HP

915 nm, 10 W Microformat Laser Module

The LD-915-10W-HP is a 915 nm fiber coupled diode laser, with 10 W output power. This high-efficiency and high-stability product is made of using professional coupling technology. The product also has high brightness, 105 μ m 0.22 NA fiber. This laser can be used in medical care, material processing, optical amplifier and pump laser source.

Pump Laser
Diode

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Diode

CW-Output Power	10 W min.
Center Wavelength	915 \pm 10 nm
Spectral Width	3.0 nm max.
Wavelength Shift with Temperature	0.3 nm/ $^{\circ}$ C typ.
Wavelength Shift with Current	0.6 nm/A typ.
Electrical-to-Optical Efficiency	50%
Operating Current	13 A max.
Threshold Current	1.0 A typ.
Operating Voltage	1.6 V typ.; 1.8 V max.
Slope Efficiency	0.9 W/A typ.
Core Diameter	105 μ m
Cladding Diameter	125 μ m
Buffer Diameter	0.9 mm
Numerical Aperture	0.22 N.A.
Total Fiber Length	1 m (Standard)
Bending Radius	50 mm min.
Connector	None
Wavelength Range	1020 nm to 1200 nm
Isolation	30 dB typ.
Operating Case Temperature	15 $^{\circ}$ C to +55 $^{\circ}$ C
Storage Temperature	-40 $^{\circ}$ C to +70 $^{\circ}$ C
Operating Humidity	15% to 85%