

Product Specifications

30W CW 0.6mm Fiber-Coupled Laser Diode (F30-xxx-6)

Wavelength: xxx=808, 940, 980nm (typical), other wavelengths also available.

Optical Specifications

CW Power Output	30W
Wavelength	xxx nm
Spectral Width(FWHM)	+/-3nm
Wavelength shift	0.27nm/°C
Beam Divergence ¹	0.22 NA
Beam Diameter ²	600µm

Electrical Characteristics –Typical

Operation Current	<55A
Threshold Current	9A
Operation Voltage	<2V
Recommended Hook-up Wire	10-gauge or heavier

Thermal Specifications

Thermal Resistance (Typical)	0.8°C/W
Case Operating Temperature	12° to 20°C
Case Storage Temperature	-20 to 60°C

Recommended Heat Sink

Capacity	100W
Thermal Resistance	<0.1°C/W

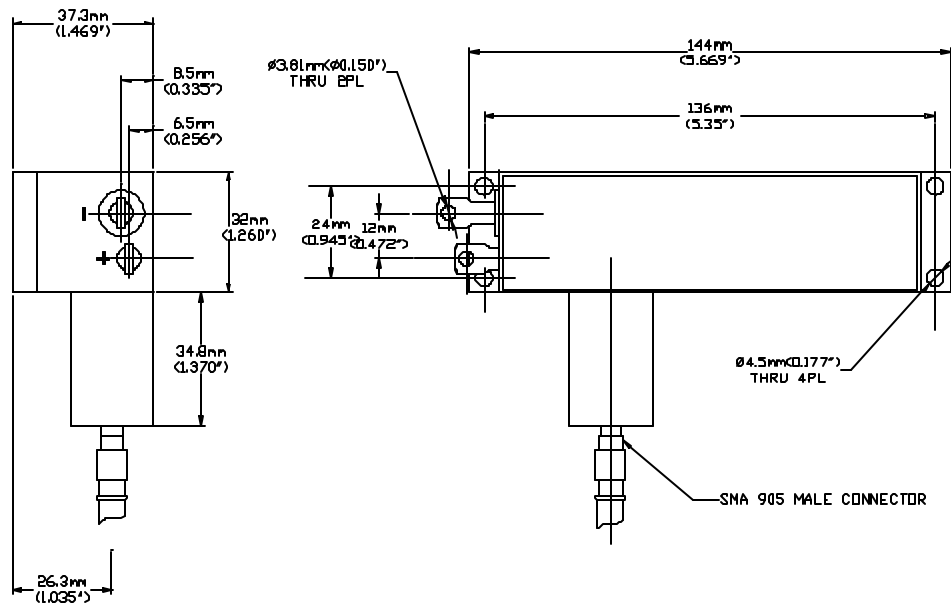
Mechanical Specifications

Weight (include fiber assembly)	800g
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1. The numerical aperture of the output beam is defined as the sine of the half-angle of the divergence cone that encircles 90% of the energy.
2. The optical output is a 600 micron diameter core fiber. The termination is an SMA-905 male, fiber-optic connector.

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Mechanical drawing of F30-xxx-6