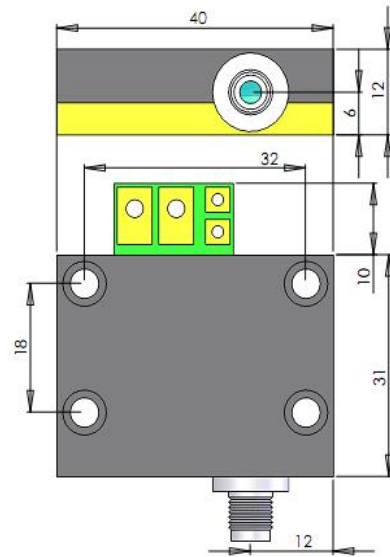
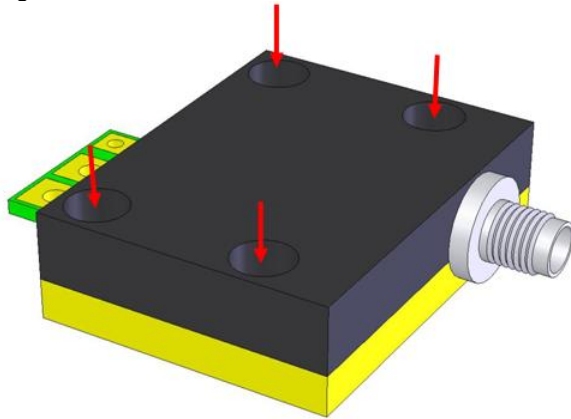


High Power Laser Diode Module with Fiber Output

1030 nm / 1050 nm / 1064 nm / 1070 nm / 1080 nm / 1090 nm

AKELA Part Number: ALC-10xx-15000-2FM400.22 (rev. 06/12)

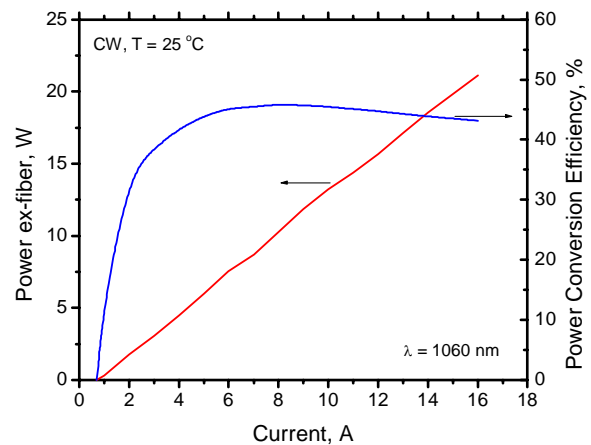
The package



Four M3 or #4 mounting screws. Compatible with TECs with cold side dimensions within 27mm x 27mm footprint. For example, can be used with Marlow Industries, Inc. model SP2085

Typical performance characteristics

Parameter	Value	Unit
Operating output power	15	W
Operating current	12	A
Maximum current	15	A
Threshold current	1	A
Maximum voltage	<4	V
Power conversion	>40	%
Slope efficiency	1.4	W/A
Wavelength tolerance	±5, ±10, ±20	nm
Spectrum width (FWHM)	<8	nm
Operating temperature	25	°C
NTC thermistor @ 25°C	10	kΩ
Fiber core diameter/ NA	400 / 0.22	μm / ##
Fiber connector	SMA	
Mounting footprint	31 × 40	mm ²



Specifications are subject to change without notice. In addition, AKELA can customize the laser design to meet different operating parameters. Please contact us for more details.

These components do not comply with the Federal Regulations (21 CFR Subchapter 1) as administered by the Center for Devices and Radiological health. Purchaser acknowledges that his/her products must comply with these regulations before they can be sold to a customer.