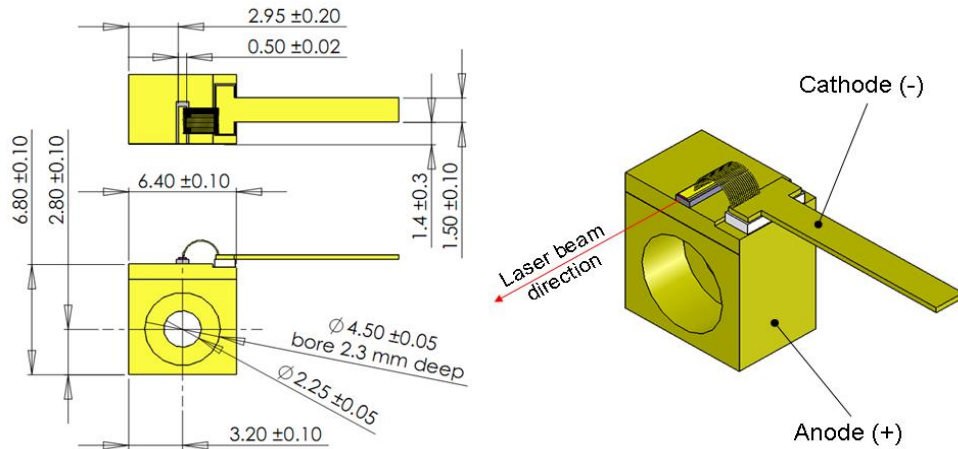


Laser Diode in C-mount Package

1500 nm / 1520 nm / 1532 nm / 1540 nm / 1550 nm / 1580 nm

AKELA Part Number: ALC-15xx-04000-CB100 (rev. 07/12)

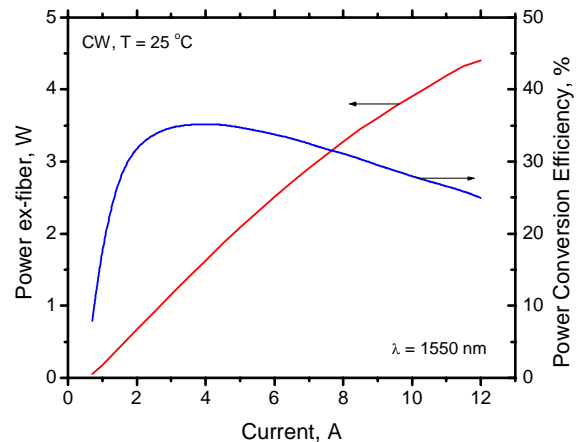
The package



The C-mount is an ideal component for quick prototyping and laboratory setups. However, the maximum output power is typically limited by the inherently sub-optimal heat dissipation properties of the C-mount itself. Please contact us to discuss the best package option for your application.

Typical performance characteristics

| Parameter | Value | Unit |
|------------------------|----------|---------|
| Operating output power | 4.0 | W |
| Operating current | 10.5 | A |
| Maximum current | 12 | A |
| Threshold current | 0.7 | A |
| Maximum voltage | <1.5 | V |
| Power conversion | >25 | % |
| Slope efficiency | 0.45 | W/A |
| Wavelength tolerance | ±10, ±20 | nm |
| Spectrum width (FWHM) | <8 | nm |
| Operating temperature | 25 | °C |
| Emitter width | 100 | µm |
| Divergence, fast axis | FWHM 32 | Degrees |
| Divergence, slow axis | FWHM 8 | Degrees |



Please contact us to discuss possible custom designs of this product to better fit your requirements.

Specifications are subject to change without notice.

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.