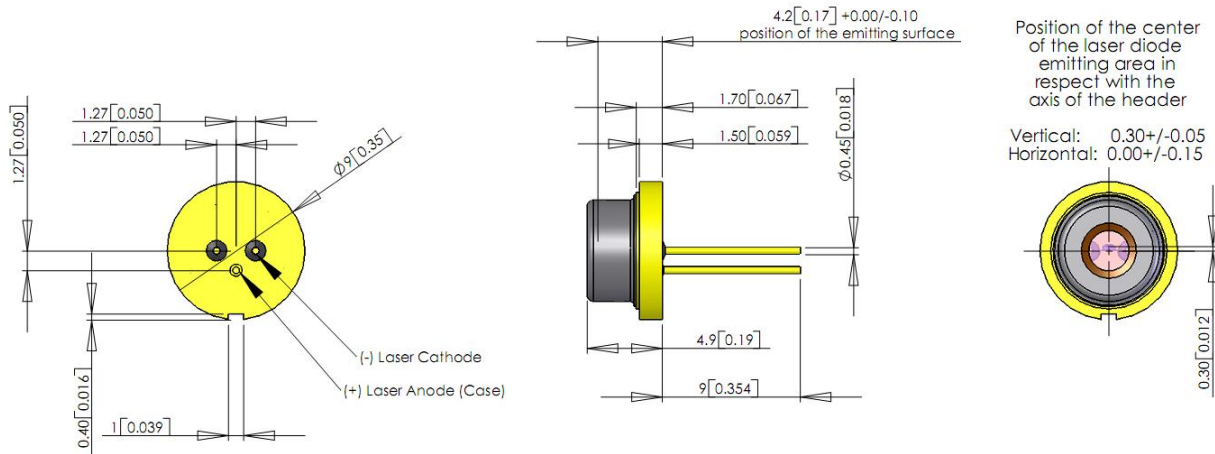


Laser Diode in 9 mm TO-Can Package

1400 nm / 1420 nm / 1440 nm / 1450 nm / 1470 nm / 1480 nm

AKELA Part Number: ALC-14xx-01000-9MM100 (rev. 07/12)

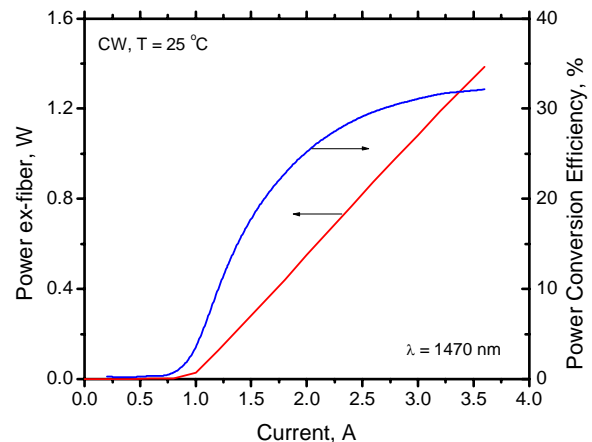
The package



The 9 mm laser TO-can package is a widely accepted industry standard well-suited for low-power laser applications. However, the maximum output power is typically limited by the poor heat dissipation properties of the 9 mm package itself. Please contact us to discuss the best package option for your application.

Typical performance characteristics

Parameter	Value	Unit
Operating output power	1.0	W
Operating current	2.75	A
Maximum current	3.5	A
Threshold current	1.0	A
Maximum voltage	<1.5	V
Power conversion	>30	%
Slope efficiency	0.5	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
Power monitor	Optional	



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.