



## HIGH HEAT LOAD (HHL) PACKAGE

### OVERVIEW

- Thermo-electrically cooled. External heat sink still required.
- Sealed in a nitrogen-purged atmosphere.
- Package dimensions (approx): **1.75 x 1.25 x 0.72 in (excluding pins)**.

## LASER SPECIFICATIONS

		Specs	Units
Process		FP	---
Oper. Temperature		15 – 45	$^{\circ}\text{C}$
Facet Coating	Front	None	---
	Back	HR	---

## ELECTRO-OPTICAL CHARACTERIZATION

		Specs	Units
Driving Conditions	Operation Mode	CW	--
	Temperature	15	$^{\circ}\text{C}$
Electrical	Thresh. Current	0.73	A
	Max. Current	1.60	A
	Thresh. Voltage	9.4	V
	Max. Voltage	11.9	V
	Laser Efficiency	3.1	%
Optical	Max. Power Output	587.2	mW
	Center Wavelength	9.00	$\mu\text{m}$

## SPECTRAL CHARACTERIZATION AND BEAM QUALITY

		Specs	Units
Driving Conditions	Operation Mode	CW	---
SMSR		30	dB
Beam Profile	Full Beam Waist	3.15	mm
	$M^2$	1.09	---