



## 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	0.61	A
	Max. Current	1.20	A
	Thresh. Voltage	13.4	V
	Max. Voltage	14.8	V
	Laser Efficiency	3.7	%
Optical	Max. Power Output	650.6	mW
	Center Wavelength	4.53	$\mu\text{m}$

## SPECTRAL CHARACTERIZATION AND BEAM QUALITY

		Specs	Units
Driving Conditions	Operation Mode	CW	---
SMSR		30	dB
Beam Profile	Full Beam Waist	2.36	mm
	$M^2$	1.19	---