



## 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		DFB	---
Oper. Temperature		15 – 45	$^{\circ}\text{C}$
Facet Coating	Front	AR	---
	Back	HR	---

## ELECTRO-OPTICAL CHARACTERIZATION

		Specs	Units
Driving Conditions	Operation Mode	CW	--
	Temperature	15	$^{\circ}\text{C}$
Electrical	Thresh. Current	0.27	A
	Max. Current	0.44	A
	Thresh. Voltage	11.5	V
	Max. Voltage	12.8	V
	Laser Efficiency	1.7	%
Optical	Max. Power Output	94.8	mW
	Center Wavelength	5.26	$\mu\text{m}$

## SPECTRAL CHARACTERIZATION AND BEAM QUALITY

		Specs	Units
Driving Conditions	Operation Mode	CW	---
Wavelength Tuning	Temperature	0.40	nm/K
	Current	56.4	nm/A
SMSR		30	dB
Beam Profile	Full Beam Waist	2.67	mm
	$M^2$	1.07	---