



## VERTICAL EMITTING HIGH HEAT LOAD (VHL) 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	0.31	A
	Max. Current	0.45	A
	Thresh. Voltage	12.0	V
	Max. Voltage	13.3	V
	Laser Efficiency	2.4	%
Optical	Max. Power Output	141.2	mW
	Center Wavelength	5.26	$\mu\text{m}$

## SPECTRAL CHARACTERIZATION AND BEAM QUALITY

		Specs	Units
Driving Conditions	Operation Mode	CW	---
Wavelength Tuning	Temperature	0.54	nm/K
	Current	53.3	nm/A
SMSR		30	dB