



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	0.31	A
	Max. Current	0.48	A
	Thresh. Voltage	8.5	V
	Max. Voltage	10.4	V
	Laser Efficiency	1.6	%
Optical	Max. Power Output	82.3	mW
	Center Wavelength	9.47	μm

SPECTRAL CHARACTERIZATION AND BEAM QUALITY

		Specs	Units
Driving Conditions	Operation Mode	CW	---
Wavelength Tuning	Temperature	0.90	nm/K
	Current	72.2	nm/A
SMSR		30	dB
Beam Profile	Full Beam Waist	3.80	mm
	M^2	1.24	---