



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 | 0.16 | A |
| | Max. Current | 0.24 | A |
| | Thresh. Voltage | 13.5 | V |
| | Max. Voltage | 14.3 | V |
| | Laser Efficiency | 2.3 | % |
| Optical | Max. Power Output | 82.2 | mW |
| | Center Wavelength | 4.58 | μm |

SPECTRAL CHARACTERIZATION AND BEAM QUALITY

| | | Specs | Units |
|--------------------|----------------|-------|-------|
| Driving Conditions | Operation Mode | CW | --- |
| Wavelength Tuning | Temperature | 0.46 | nm/K |
| | Current | 48.8 | nm/A |
| SMSR | | 30 | dB |