

## VERTICAL-EMITTING HIGH HEAT LOAD (VHL) PACKAGE

### OVERVIEW

- Pulse or CW operated QCL devices.
- Thermo-electrically cooled. External heat sink still required.
- Sealed in a nitrogen-purged atmosphere.
- Typical Beam Divergence: 70° (Fast - Axis), 40° (Slow - Axis).

### SPECIFICATIONS

Model No		VHL-xx-xx	Units
TEC Parameters (25 °C)	Max. Current	7.9	A
	Max. Voltage	14.4	V
	Max. Heat Capacity	65.0	W
	Typ. Resistance	3.0	$\Omega$
Temperature Sensor	Type	RTD 100 Thermal Sensor 10.0 k $\Omega$ Thermistor	----
	Thermistor Constants	$A = 1.129 e^{-3}$ , $B = 2.341 e^{-4}$ , $C = 0.878 e^{-7}$	----
Window	Material	ZnSe	----
	Thickness	1	mm
	Diameter	12.7	mm
	Transmission	> 95	%
Weight (approx.)		110.0	g

### DIMENSIONS

- Dimension: **mm**
- Linear Vertical Beam Polarization

