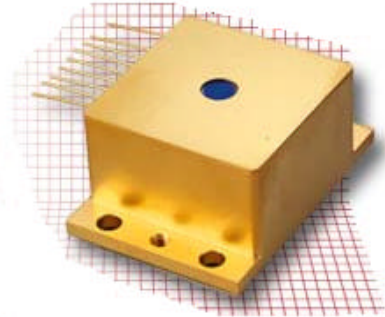


LASER DIODES 1.6÷3.6 μm

Model LD230-HHL 2.270÷2.390 nm 1.0 mW

- LD230-HHL is a laser for the spectral range 2.270 - 2.390nm based on GaAlAsSb/InGaAsSb/GaAlAsSb SC MQW laser diodes with optical waveguides.
- Laser Diode LD230-HHL can operate at room temperature and not deep cooling in both quasi-CW and pulsed regimes.
- LD230-HHL is mounted in standard High Heat Loading (HHL) package with three stage Peltier thermoelectric cooler and thermistor.



Characteristics	Symbol	LD230-HHL	Unit
Laser diode parameters		#AB39-4k	
Optical output power (quasi-CW regime)	P_{qCW}	1.0	mW
Optical output power (pulsed regime)	P_{peak}	20	mW
Threshold current	I_{TH}	90	mA
Beam divergence (FWHM)	$\Theta_{ } \times \Theta_{\perp}$	30 x 50	deg
Spectral width	$\Delta\lambda$	< 80	MHz
Mode structure in determined current and temperature range	-	SLM	-
Package	-	HHL	-
Maximum ratings			
Laser drive current (quasi-CW)	I_{LDmax}	<160	mA
TEC drive current	I_{TECmax}	<1.0	A
TEC drive voltage	U_{TECmax}	<5.0	V
Thermistor resistance	R_{THM}	12÷900	kΩ

Recommended regimes of operation

Quasi-CW

