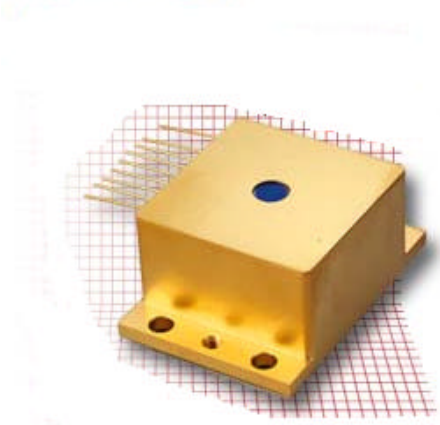


# LASER DIODES 1.6÷3.6 μm

## 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 Hight Heat Loading (HHL) package with three stage Peltier thermoelectric cooler and thermistor.



Characteristics	Symbol	LD230-HHL	Unit
<b>Laser diode parameters</b>		<b>#AB42-2k</b>	
Optical output power (quasi-CW regime)	$P_{qCW}$	1.0	mW
Optical output power (pulsed regime)	$P_{peak}$	20	mW
Threshold current	$I_{TH}$	130	mA
Beam divergence (FWHM)	$\Theta_{II} \times \Theta_{\perp}$	30 x 50	deg
Spectral width	$\Delta\lambda$	< 80	MHz
Mode structure in determinated current and temperature range	-	SLM	-
Package	-	HHL	-
<b>Maximum ratings</b>			
Laser drive current (quasi-CW)	$I_{LDmax}$	<220	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

