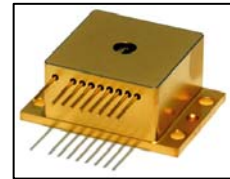




## RLT1260-500HHL

### TECHNICAL DATA

Serial No.: 83-V998



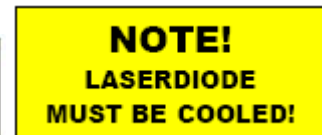
## High Power Infrared Laser Diode

### Features

- InGaAsP/InP index-guided heterostructures
- CW Output Power: 500 mW
- Typical 1260 nm Emission Wavelength
- HHL Package

### Applications

- Medical Usage
- Scientific and research



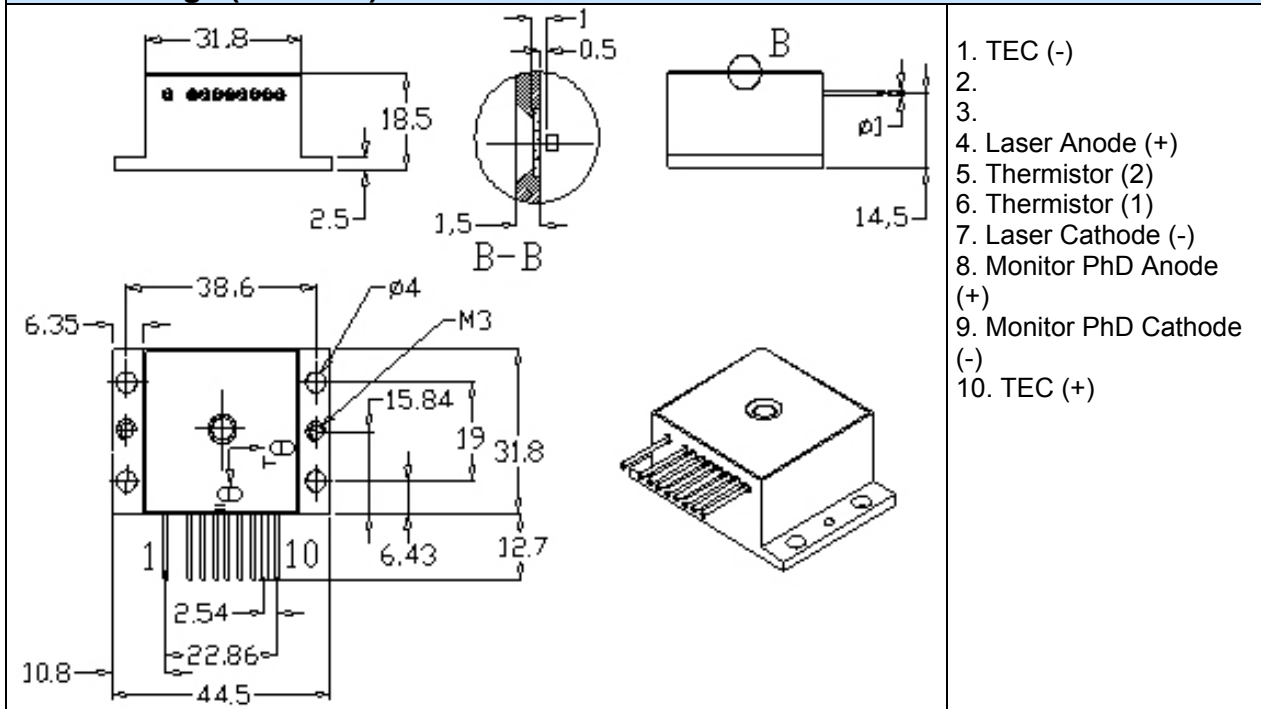
### Specifications (25°C)

Type	RLT1260-500HHL		Unit
<b>LD Specification</b>			
CW Output Power	$P_{OP}$	500	mW
Peak Wavelength	$\lambda_P$	1262	nm
Threshold Current	$I_{th}$	0.5	A
Operation Current	$I_{OP}$	1.85	A
Operation Voltage	$U_{OP}$	1.18	V
Beam Divergence	$\theta_{\perp} \times \theta_{\parallel}$	1 x 10	deg
Operating Temperature	$T_{OP}$	25	°C
<b>Feedback Photodiode</b>			
Feedback Photodiode Current @ $P_{OP}$	$I_{PD}$	184	$\mu$ A
Reverse Voltage	$U_{PD}$	9	V
<b>Thermoelectric Cooler (TEC)</b>			
TEC max. Current	$I_{max}$	5	A
TEC max. Voltage	$U_{max}$	3.8	V
<b>Thermistor</b>			
Resistance	R	10	k $\Omega$

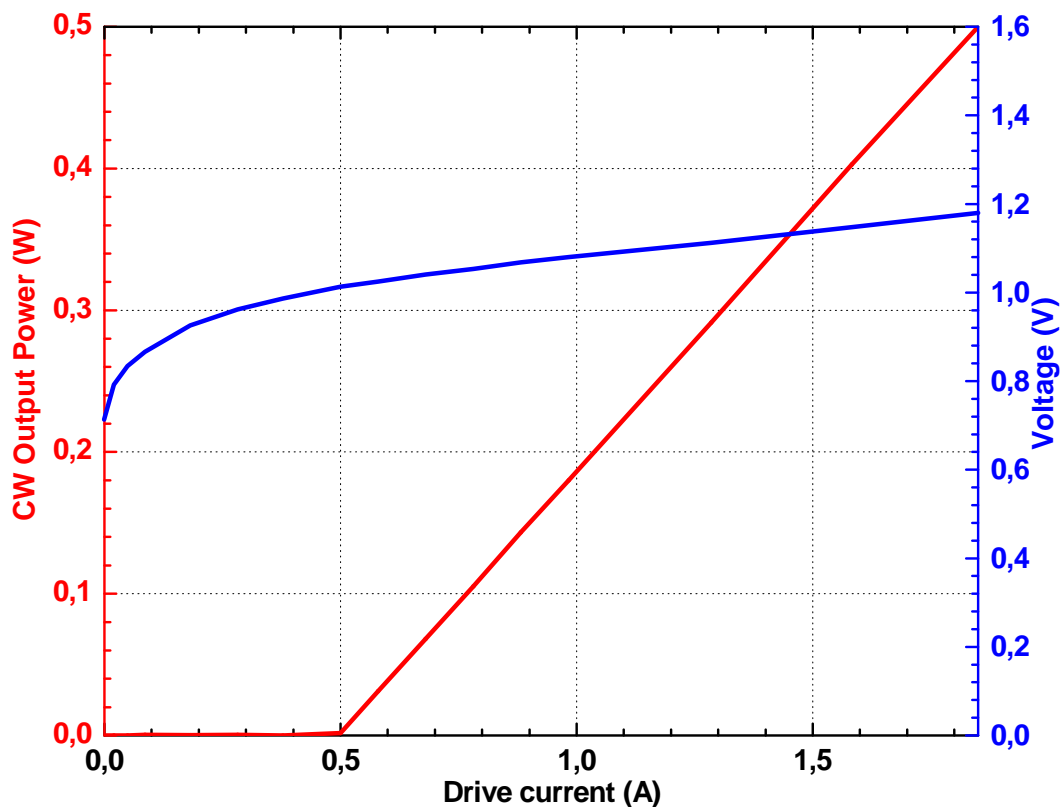


## Package Dimensions

### HHL Package (Unit:mm)

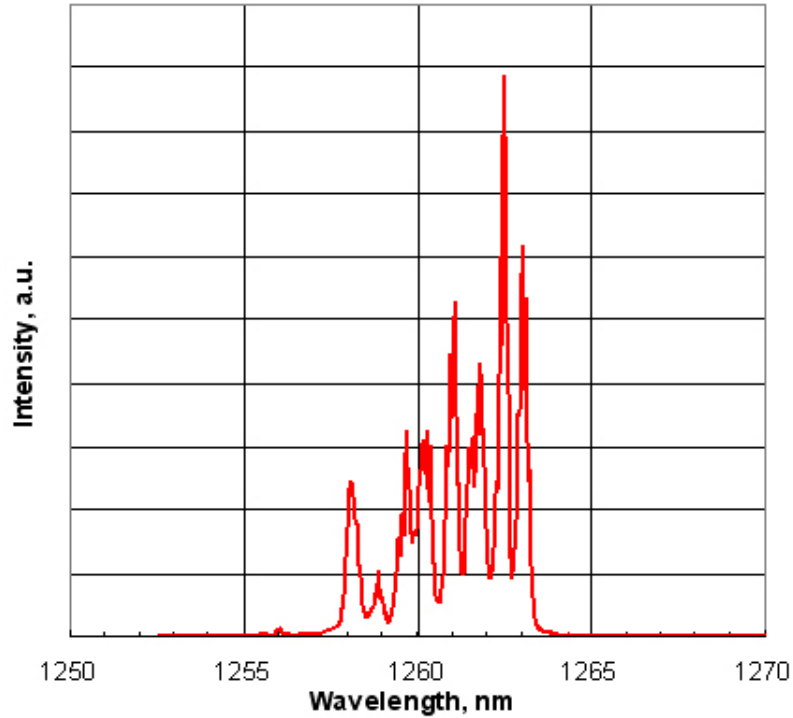


## Light-current and voltage-current characteristics





### Emitting spectra at operating power



### Thermistor temperature dependence

