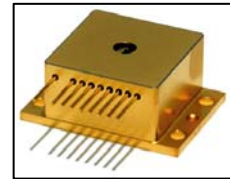




RLT1260-500HHL

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



NOTE!
LASERDIODE
MUST BE COOLED!

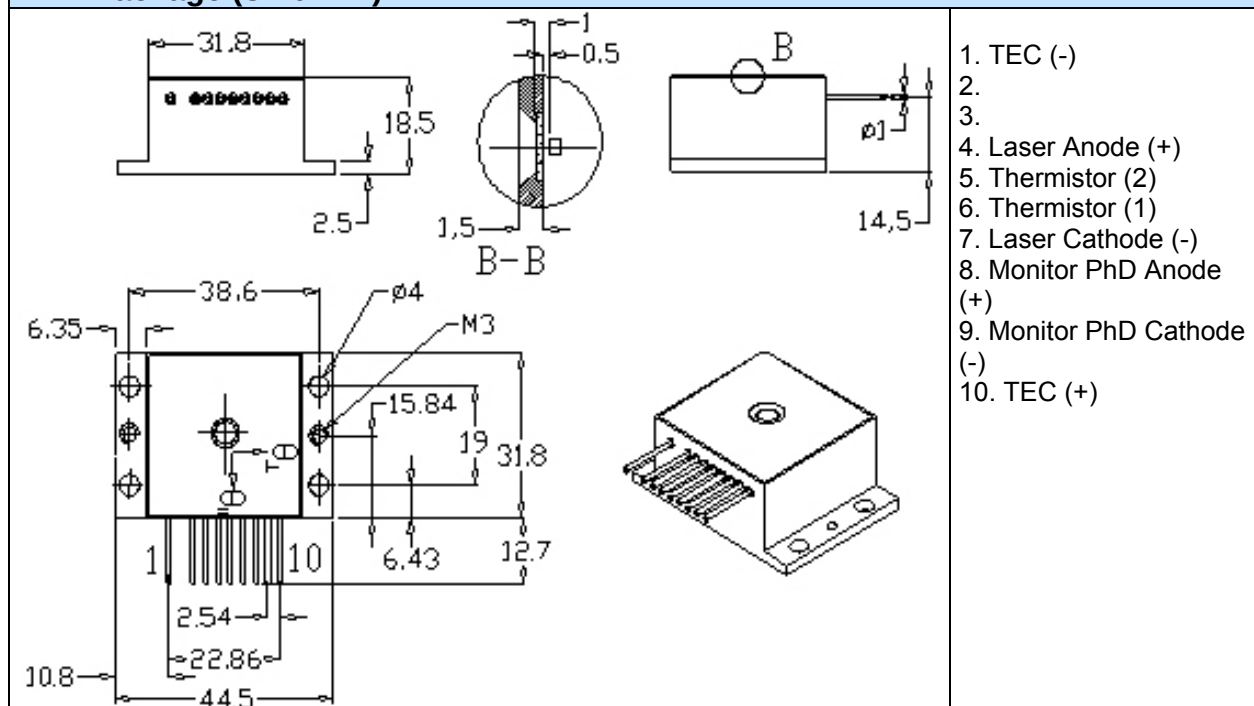
Specifications (25°C)

Type	RLT1260-500HHL		Unit
LD Specification			
CW Output Power	P _{OP}	500	mW
Peak Wavelength	λ _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	θ _L ×θ _∥	1 x 10	deg
Operating Temperature	T _{OP}	25	°C
Feedback Photodiode			
Feedback Photodiode Current @ P _{OP}	I _{PD}	184	μA
Reverse Voltage	U _{PD}	9	V
Thermoelectric Cooler (TEC)			
TEC max. Current	I _{max}	5	A
TEC max. Voltage	U _{max}	3.8	V
Thermistor			
Resistance	R	10	kΩ

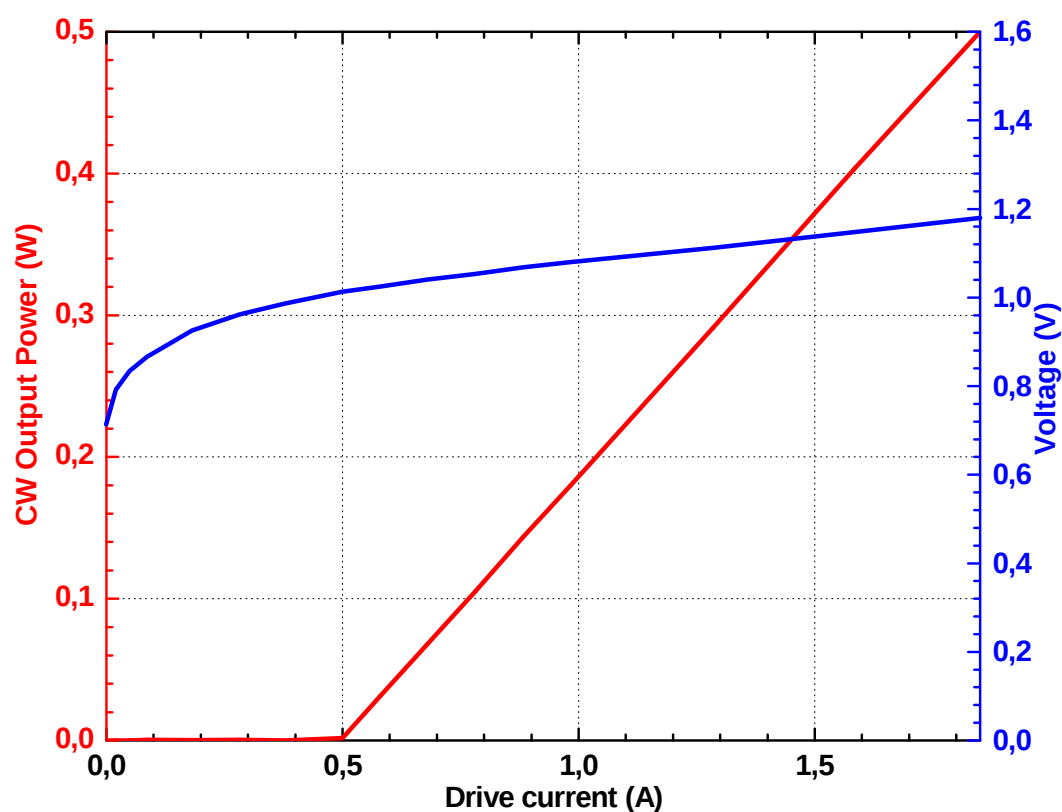


Package Dimensions

HHL Package (Unit:mm)

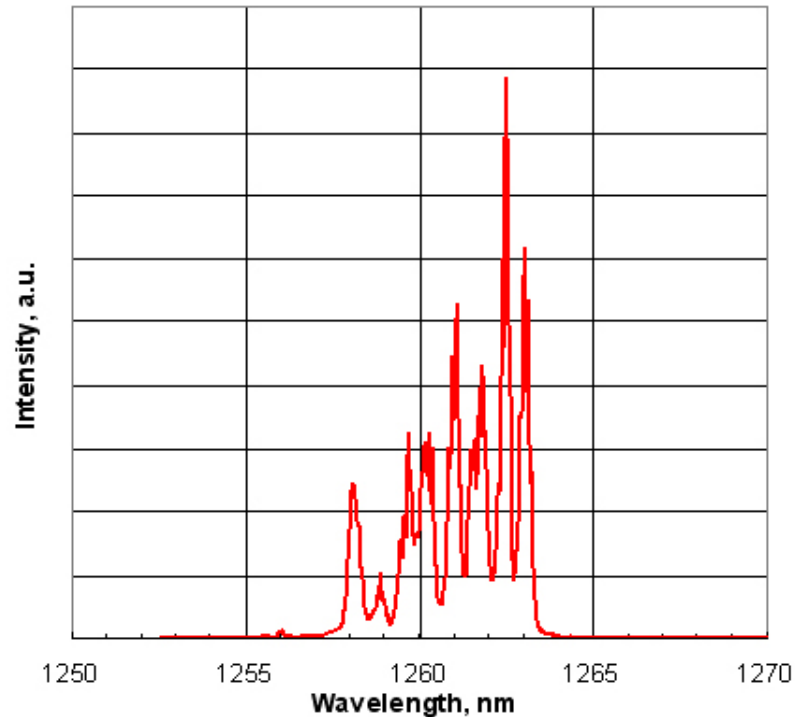


Light-current and voltage-current characteristics





Emitting spectra at operating power



Thermistor temperature dependence

