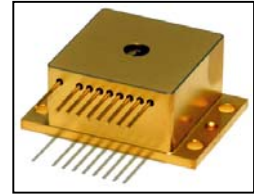




## RLT1800-500HHL



### TECHNICAL DATA

## High Power Infrared Laser Diode

#### Features

- 500 mW CW Output Power
- 1.79 – 1.81  $\mu\text{m}$  Emission Wavelength

#### Applications

- Medical Usage
- Scientific and research

#### Specifications (25°C)

Item	Symbol	Min.	Typ.	Max.	Unit
<b>Laser Diode</b>					
CW Output Power	$P_O$	-	500	-	mW
Emitting area	W x H	-	100 x 1	-	$\mu\text{m}$
Wavelength	$\lambda$	1790	1800	1810	nm
Threshold Current	$I_{TH}$	700	750	800	mA
Operating Current	$I_F$	3.0	3.3	3.5	A
Operating Voltage	$U_F$	1.0	1.05	1.1	V
Beam Divergence	$\theta_{\perp} \times \theta_{\parallel}$	-	1 x 10	-	deg
Spectral Width (FWHM)	$\Delta\lambda$	4	7	10	nm
Mode Structure			MM		



#### Spectral emission

