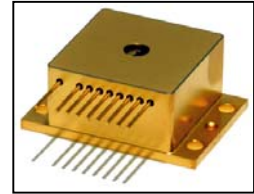




RLT1725-300HHL



TECHNICAL DATA

High Power Infrared Laser Diode

Features

- 300 mW CW Output Power
- 1.72 – 1.73 μm Emission Wavelength

Applications

- Medical Usage
- Scientific and research

Specifications (25°C)

Item	Symbol	Min.	Typ.	Max.	Unit
Laser Diode					
CW Output Power	P_O	-	300	-	mW
Emitting area	W x H	-	100 x 1	-	μm
Wavelength	λ	1720	1725	1730	nm
Threshold Current	I_{TH}	650	700	750	mA
Operating Current	I_F	2.3	2.5	2.7	A
Operating Voltage	U_F	1.2	1.3	1.4	V
Beam Divergence – fast axis (FWHM)	θ_{\perp}	10	11	12	deg
Beam Divergence – slow axis (FWHM)	θ_{\parallel}	-	1	-	
Spectral Width (FWHM)	$\Delta\lambda$	3	4	50	nm
Mode Structure			MM		



Spectral emission

