

LASER COMPONENTS GmbH

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Datasheet for Laser Components Leadchalkogenide - Diodelaser

Order Number :
 LC Order Number :
 Part Number : 03-LI368HV-56
 Customer Name :

Lasertype : IR-2550...
 Wavenumber : 2550.....
 Region : cm^{-1}

Special Conditions : IR-2550-GMP-Premium.
 :

Polarity : +
 Housing (groun) : -

Operator : Huber.....
 Serial Number : 368-HV-1-5..... Max Operationtemp / K : 95.....
 Date : 13/Nov/2002 Max Diode Current cw / mA : 370.....

Record of Laser No. 368-HV-1-5

Date : 13/Nov/2002

Operator: Huber

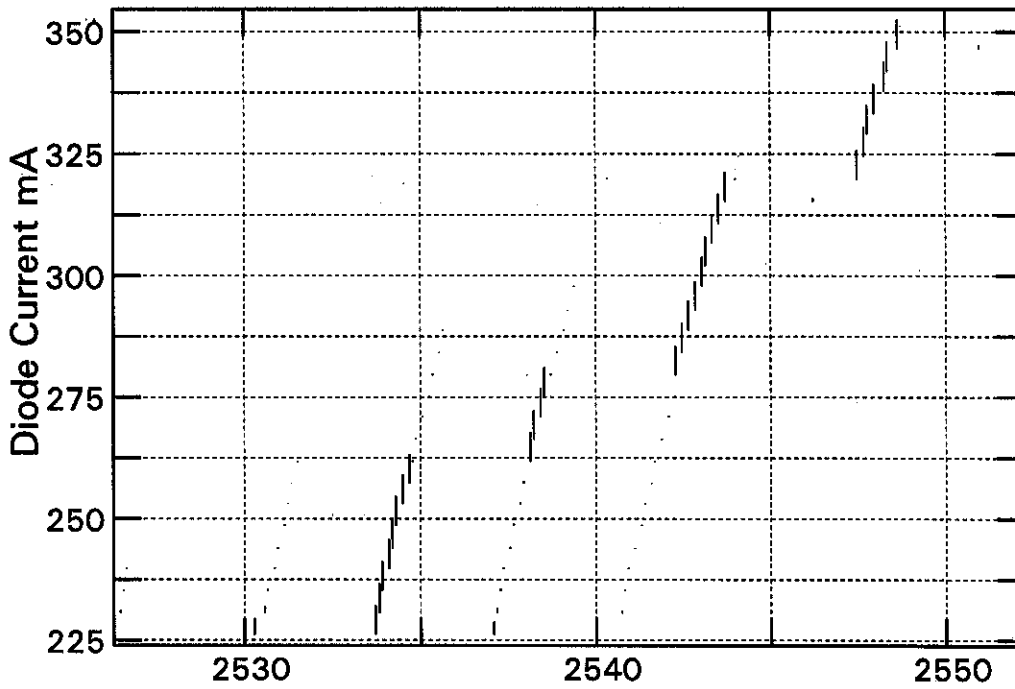
T / K	threshold current I_{th}/mA	wavenumber at threshold cm^{-1}	maximum current I_m/mA	maximum total power P_m/mWatt
90	226	2534	356	0.40
91	237	2535	346	0.35
92	246	2543	353	0.34
93	258	2548	353	0.27

Definition :

maximum total power : the power which the laser diode radiates at maximum current.



Modal Distribution



max modal Power %	total Power mWatt
99.06	- 0.3884
90.68	- 0.3541- L
100.00	- 0.3777
100.00	- 0.3541
100.00	- 0.3681
100.00	- 0.3483
99.41	- 0.3472
98.33	- 0.3417
90.61	- 0.3115- L
100.00	- 0.2920
100.00	- 0.2737
100.00	- 0.2758
99.45	- 0.2636
99.28	- 0.2389
98.31	- 0.2200
97.38	- 0.2200
94.91	- 0.1994- L
96.59	- 0.1669
96.64	- 0.1658
96.09	- 0.1431
94.15	- 0.1329
91.68	- 0.1118
93.17	- 0.0987
93.53	- 0.0784
93.48	- 0.0639
91.47	- 0.0511
85.61	- 0.0331
67.61	- 0.0164
42.34	- 0.0052

11/13/02

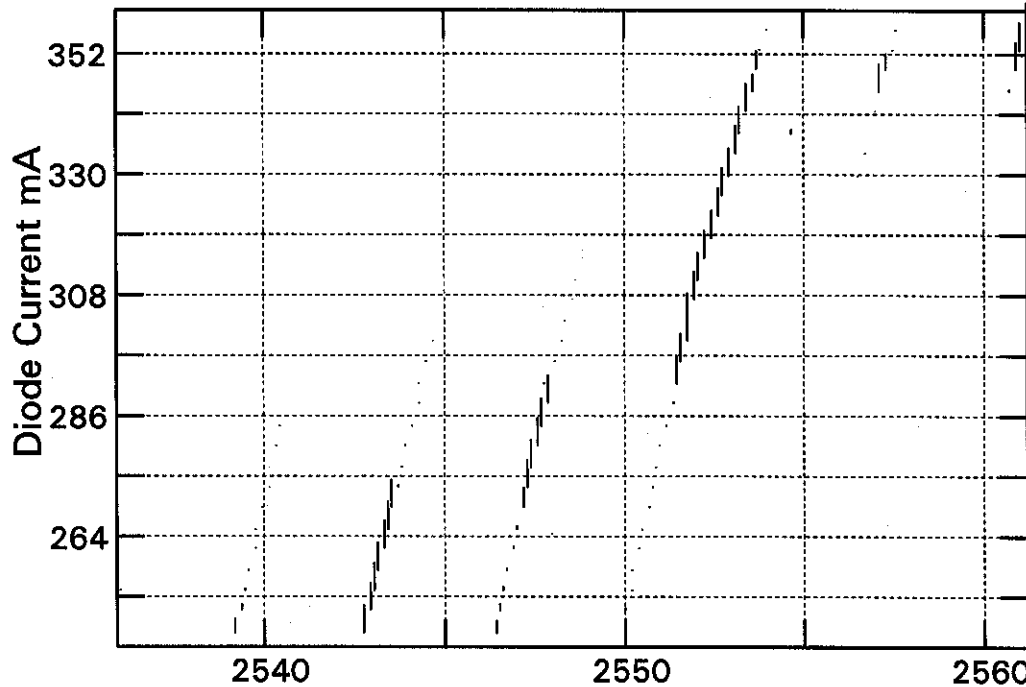
Mode position in cm-1

Operator:Huber

Laser: 368-HV-1-5

Temperature: 90.00 K

Modal Distribution



max modal Power %	total Power mWatt
98.53	- 0.3585
96.89	- 0.3341
44.04	- 0.2909- L
58.21	- 0.2891
98.04	- 0.2729
85.96	- 0.2598- L
99.31	- 0.2511
99.45	- 0.2613
100.00	- 0.2613
100.00	- 0.2375
100.00	- 0.2282
99.42	- 0.2267
99.23	- 0.2139
99.12	- 0.2020
98.92	- 0.2035
97.45	- 0.1832
96.80	- 0.1803
94.14	- 0.1611
93.73	- 0.1495
93.81	- 0.1306
93.52	- 0.1257
92.08	- 0.1062
88.53	- 0.0987
56.05	- 0.0801
84.91	- 0.0714
87.84	- 0.0598
86.09	- 0.0444
78.29	- 0.0300
61.42	- 0.0166
39.66	- 0.0066- L

11/13/02

Mode position in cm-1

Operator:Huber

Laser: 368-HV-1-5

Temperature: 92.00 K