

LASER COMPONENTS GmbH

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LASER
COMPONENTS

Datasheet for Laser Components Leadchalkogenide - Diodelaser

Order Number :
LC Order Number :
Part Number : 03-LI368HV-42
Customer Name :

Lasertype : IR-2520...
Wavenumber : 2520,.....
Region : cm^{-1}

Special Conditions : IR-2520-GMP-Premium.
.....
.....

Polarity : +
Housing (groun) : -

Operator : Huber.....
Serial Number : 368-HV-1-42.....
Date : 21/Nov/2003
Max Operationtemp / K : 88.....
Max Diode Current cw / mA : 850.....

Record of Laser No. 368-HV-1-42

Date : 21/Nov/2003

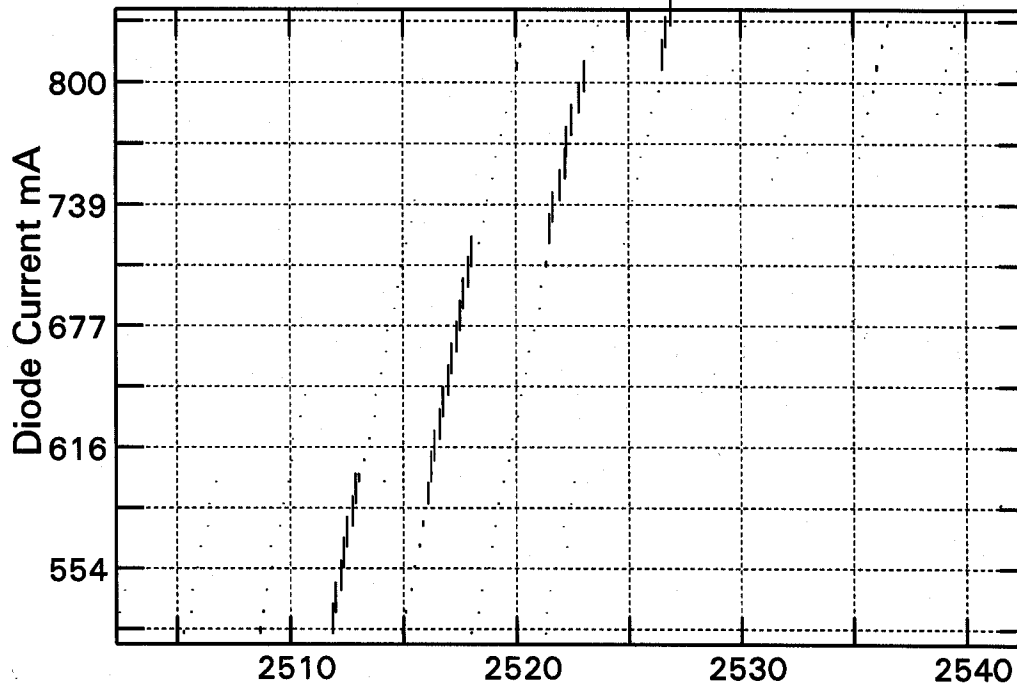
Operator: Huber

T / K	threshold current I_{th}/mA	wavenumber at threshold cm^{-1}	maximum current I_m/mA	maximum total power P_m/mWatt
80	521	2508	846	0.43
82	510	2516	842	0.39
84	504	2520	832	0.37
86	504	2529	839	0.36
88	504	2534	846	0.38

Definition :

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

Modal Distribution



max modal Power %	total Power mWatt
84.20	- 0.4078
76.77	- 0.3768
41.76	- 0.3463- L
89.21	- 0.3199
92.90	- 0.3152
95.88	- 0.3141
96.88	- 0.3033
97.75	- 0.2810
97.56	- 0.2688
96.70	- 0.2615
94.68	- 0.2229
83.44	- 0.2052
96.37	- 0.1948
97.08	- 0.1887
97.19	- 0.1742
97.30	- 0.1518
97.23	- 0.1524
95.80	- 0.1385
95.20	- 0.1135
93.44	- 0.1097
90.39	- 0.1007
72.49	- 0.0909- L
55.93	- 0.0790
82.09	- 0.0711
86.54	- 0.0615
87.44	- 0.0499- L
86.40	- 0.0392- L
80.59	- 0.0265- L
64.18	- 0.0147- L

11/21/03

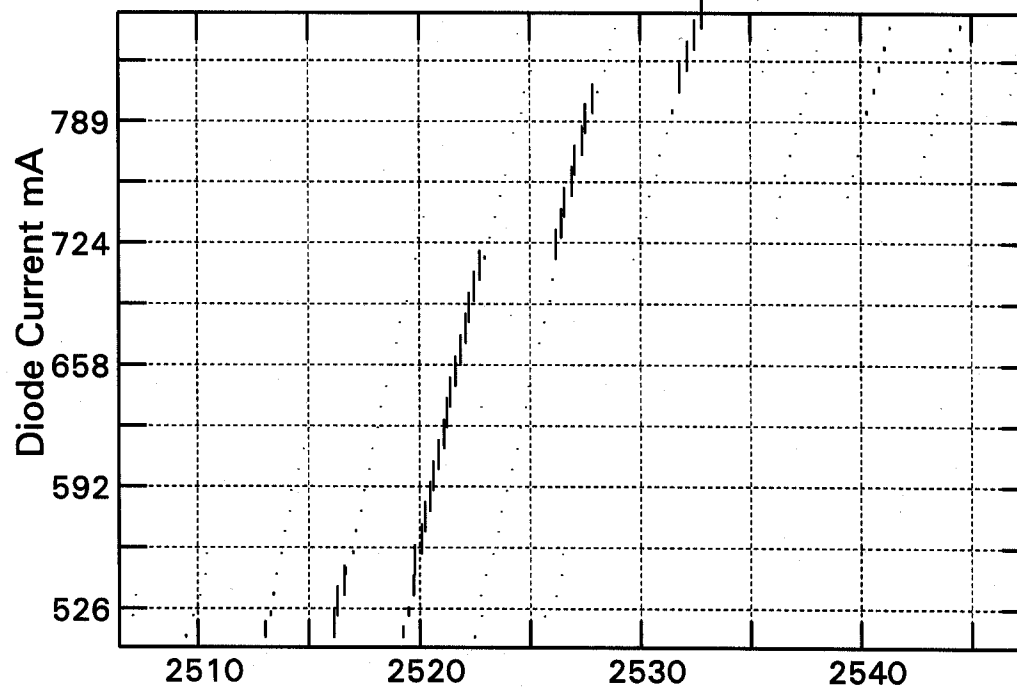
Mode position in cm-1

Operator:Huber

Laser: 368-HV-1-42

Temperature: 80.00 K

Modal Distribution



max modal Power %	total Power mWatt
77.99	- 0.3896
78.98	- 0.3695
80.11	- 0.3588
80.54	- 0.3390
76.97	- 0.3071
87.88	- 0.2705
92.46	- 0.2743
93.75	- 0.2546
96.51	- 0.2572
96.88	- 0.2717
96.49	- 0.2415
89.28	- 0.2197
94.91	- 0.2093
97.09	- 0.1904
97.55	- 0.1803
97.67	- 0.1672
97.72	- 0.1692
97.70	- 0.1617
96.63	- 0.1489- L
96.94	- 0.1411
96.78	- 0.1295
96.10	- 0.0990
95.60	- 0.0967
95.00	- 0.0894
92.36	- 0.0769
87.33	- 0.0676
75.77	- 0.0493
53.41	- 0.0392- L
64.25	- 0.0265- L
46.37	- 0.0116- L

11/21/03

Mode position in cm-1

Operator:Huber

Laser: 368-HV-1-42

Temperature: 82.00 K