

LASER COMPONENTS GmbH

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**LASER
COMPONENTS**

Datasheet for Laser Components Leadchalkogenide - Diodelaser

Order Number :
 LC Order Number :
 Part Number : 03-Li397HV-172
 Customer Name :

Lasertype : IR-2208...
 Wavenumber : 2208.....
 Region : cm⁻¹.....

Special Conditions : IR-2208-GMP-Premium.

Polarity : +
 Housing (groun) : -

Operator : Huber.TH.. Max Operationtemp / K : 116....
 Serial Number : 397-HV-1-172... Max Diode Current cw / mA : 1270...
 Date : 16/Dec/2003

Record of Laser No. 397-HV-1-172

Date : 16/Dec/2003

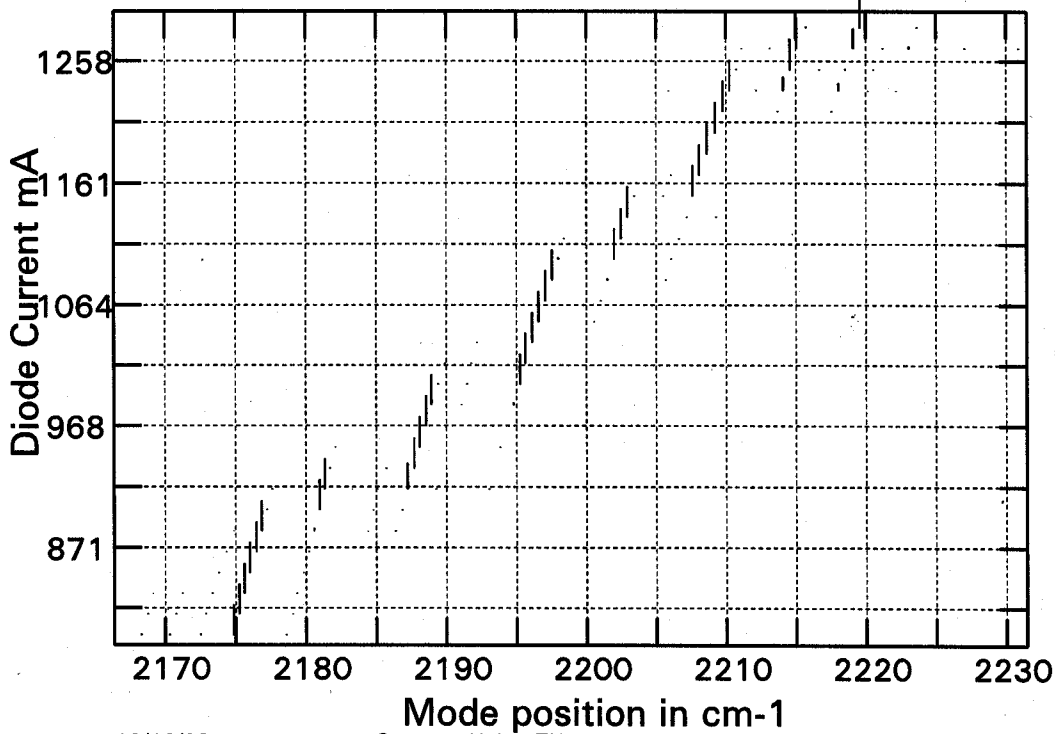
Operator: Huber.TH

T / K	threshold current I _{th} /mA	wavenumber at threshold cm ⁻¹	maximum current I _m /mA	maximum total power P _m /mWatt
114	715	2159	1271	0.58
115	731	2167	1260	0.52
116	752	2172	1240	0.46

Definition :

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

Modal Distribution



max modal Power %	total Power mWatt
95.56	- 0.5155
56.77	- 0.4973
85.12	- 0.4883- L
57.67	- 0.4839
98.52	- 0.4514
100.00	- 0.4630
100.00	- 0.4592
99.37	- 0.4247
98.15	- 0.4218
97.40	- 0.4038
98.42	- 0.4084
95.50	- 0.3739
95.06	- 0.3704
99.11	- 0.3454
99.47	- 0.3260
99.41	- 0.3193
98.42	- 0.2926
95.97	- 0.2830
93.00	- 0.2772
99.15	- 0.2499
98.76	- 0.2354
97.69	- 0.2105
52.35	- 0.1936
95.18	- 0.1890
88.65	- 0.1628
97.71	- 0.1524
97.89	- 0.1286
96.71	- 0.1106
95.12	- 0.0967
90.35	- 0.0763

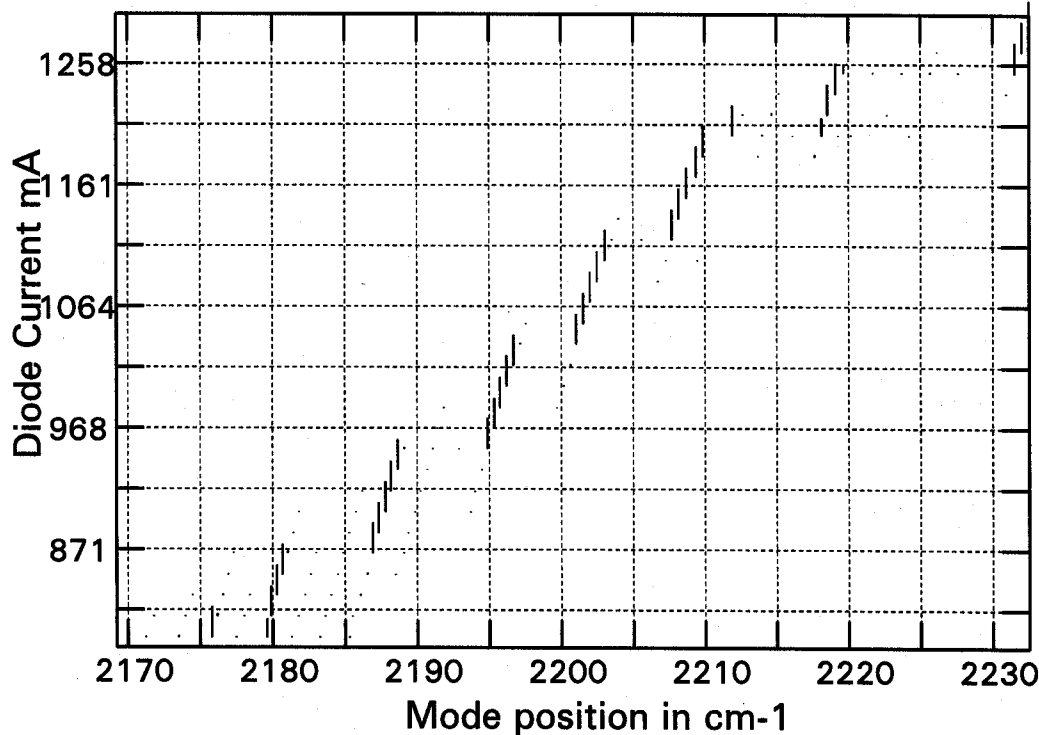
12/16/03

Operator:Huber.TH

Laser: 397-HV-1-172

Temperature: 115.00 K

Modal Distribution



max modal Power %	total Power mWatt
100.00	- 0.4319
98.98	- 0.4116
74.69	- 0.4044
98.43	- 0.4154
93.22	- 0.4093
58.26	- 0.4151- L
93.78	- 0.3951
100.00	- 0.4081
100.00	- 0.3913
99.43	- 0.3832
98.39	- 0.3666
97.24	- 0.3515
99.38	- 0.3286
100.00	- 0.3138
99.03	- 0.3115
96.78	- 0.2903
96.16	- 0.2746
98.82	- 0.2665
98.69	- 0.2322
97.92	- 0.2157
93.35	- 0.2107
97.15	- 0.1872
98.08	- 0.1727
97.57	- 0.1617
97.25	- 0.1451
90.74	- 0.1240
92.00	- 0.1025
92.96	- 0.0917
87.17	- 0.0746
57.14	- 0.0546- L

12/16/03

Operator:Huber.TH

Laser: 397-HV-1-172

Temperature: 116.00 K