

# LASER COMPONENTS GmbH

## Address

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### Datasheet for Laser Components Leadchalkogenide - Diodelaser

Order Number : .....  
LC Order Number : .....  
Part Number : 03-Li325HV-91:  
Customer Name : .....

Lasertype : IR-1480...  
Wavenumber : 1480.....  
Region : cm^.....

Special Conditions : IR-1480-GMP.....  
: .....  
: .....

Polarity : +  
Housing (groun) : -

Operator : Huber..... Max Operationtemp / K : 86.....  
Serial Number : 325-HV-1-91.... Max Diode Current cw / mA : 620....  
Date : 18/Feb/2003

### Record of Laser No. 325-HV-1-91

Date : 18/Feb/2003

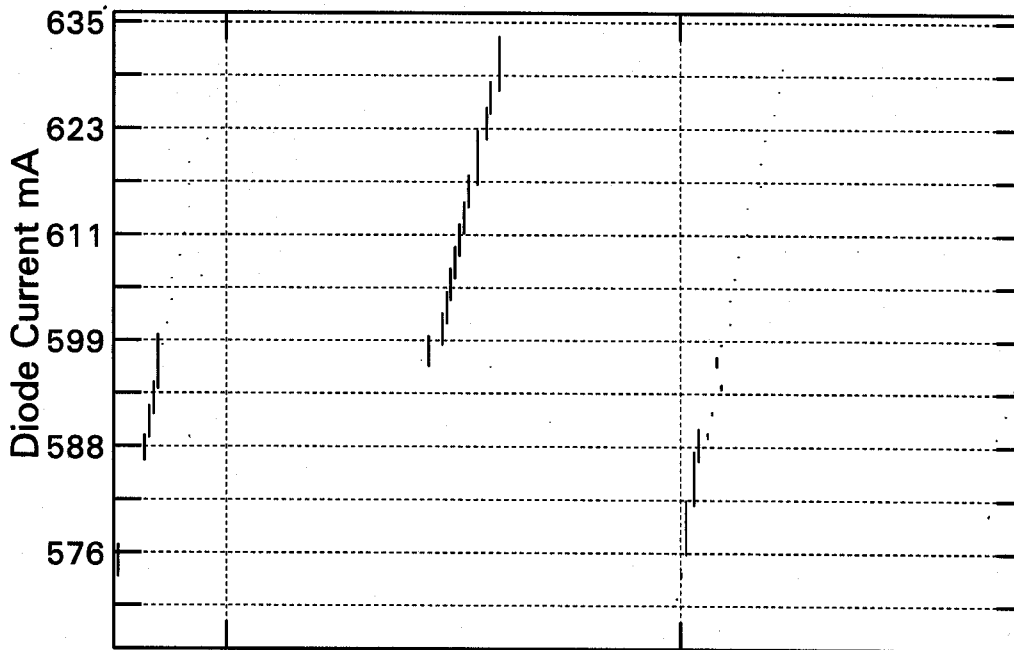
Operator: Huber

T / K	threshold current $I_{th}/mA$	wavenumber at threshold $cm^{-1}$	maximum current $I_m/mA$	maximum total power $P_m/mWatt$
84	456	1472	618	0.20
84	455	1471	618	0.20
85	474	1473	618	0.17
86	464	1480	618	0.20

### Definition :

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

## Modal Distribution



max modal Power %	total Power mWatt
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99.02	- 0.2010
99.12	- 0.1994
98.98	- 0.1959
98.29	- 0.2017
98.26	- 0.1909
98.33	- 0.1872
98.08	- 0.1845
97.41	- 0.1771
97.29	- 0.1742
96.94	- 0.1719
96.53	- 0.1732
96.11	- 0.1627
93.92	- 0.1605
43.13	- 0.1481- L
85.42	- 0.1087
89.36	- 0.0881- L
83.02	- 0.0605- L
55.43	- 0.0324
100.00	- 0.0080
100.00	- 0.0016
100.00	- 0.0026
100.00	- 0.0155
87.50	- 0.0408
97.11	- 0.0600

1480

Mode position in cm-1

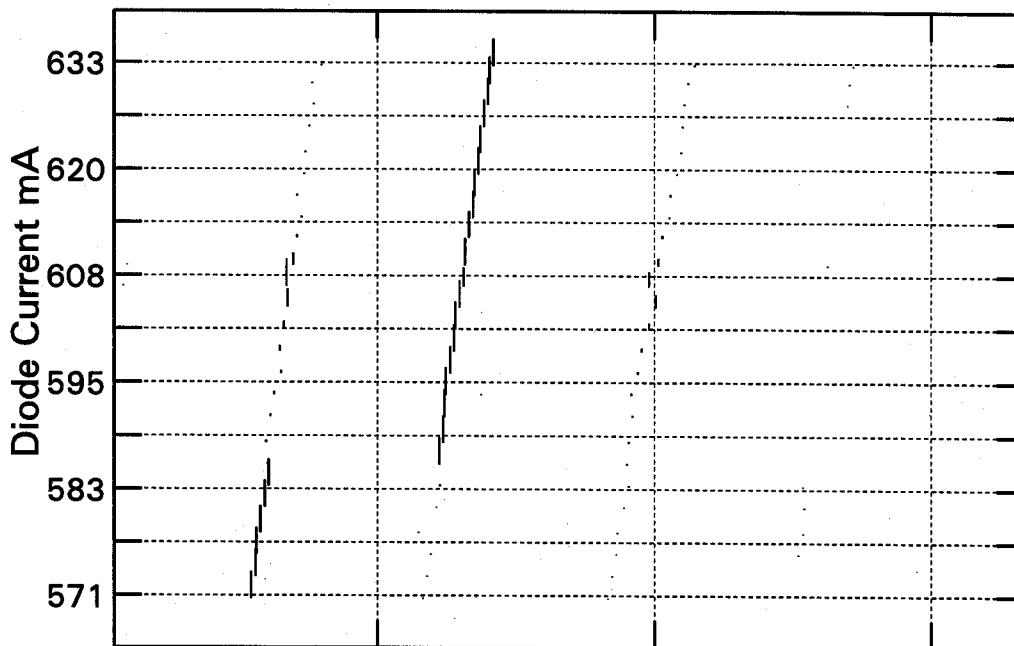
02/18/03

Operator:Huber

Laser: 325-HV-1-91

Temperature: 84.00 K

## Modal Distribution



max modal Power %	total Power mWatt
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91.92	- 0.1982
93.59	- 0.1950
93.95	- 0.1943
95.41	- 0.1953
94.49	- 0.1847
93.96	- 0.1748
90.42	- 0.1777
90.25	- 0.1568
85.49	- 0.1479
58.58	- 0.1258- L
44.55	- 0.1084- L
46.73	- 0.1218- L
66.99	- 0.1380
75.86	- 0.1437
85.21	- 0.1481
87.07	- 0.1569- L
89.63	- 0.1526
89.41	- 0.1438
89.60	- 0.1419
92.49	- 0.1269
96.43	- 0.1242
96.60	- 0.1270
97.29	- 0.1208
97.91	- 0.1174
98.19	- 0.1183

1480

1490

Mode position in cm-1

02/18/03

Operator:Huber

Laser: 325-HV-1-91

Temperature: 85.00 K