

# LASER COMPONENTS GmbH

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### Datasheet for Laser Components Leadchalkogenide - Diodelaser

Order Number : .....  
LC Order Number : .....  
Part Number : 03-Li364HV-46  
Customer Name : .....

Lasertype : IRCC-2535.  
Wavenumber : 2535.....  
Region :  $\text{cm}^{-1}$ .....

Special Conditions : IRCC-2535-GMP.....  
: .....

Polarity : +  
Housing : -  
(groun)

Operator : Huber.....  
Serial Number : 364-HV-1-46..... Max Operationtemp / K : 67.....  
Date : 31/Jan/2003 Max Diode Current cw / mA : 1360...

### Record of Laser No. 364-HV-1-46

Date : 31/Jan/2003

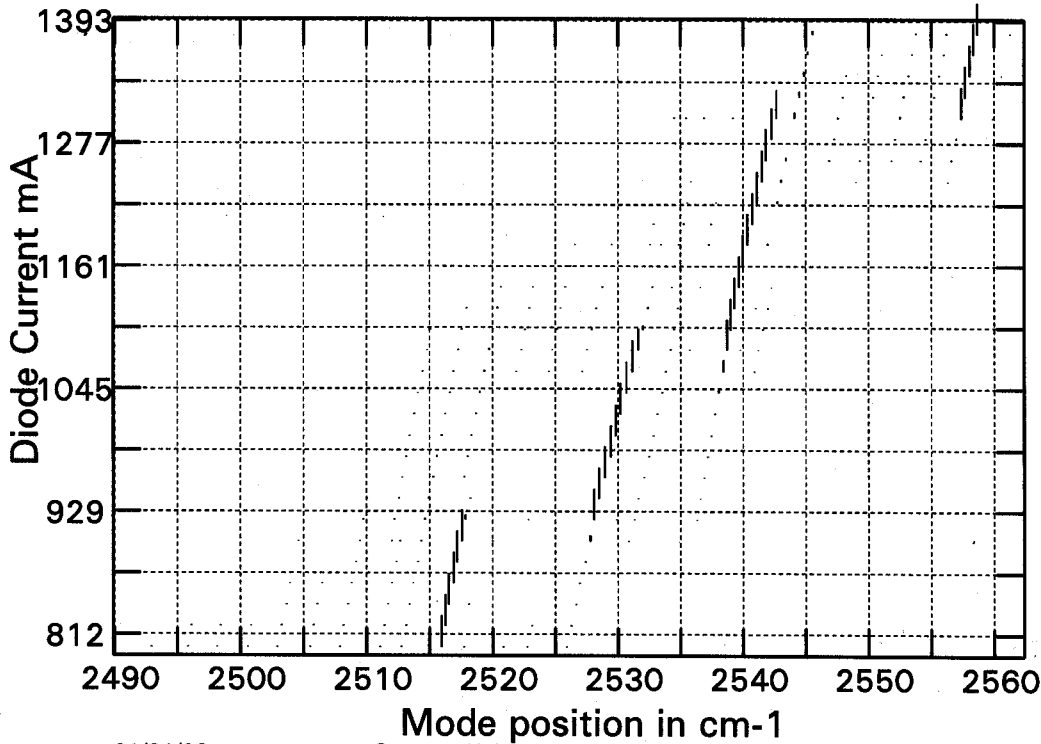
Operator: Huber

T / K	threshold current $I_{th}/\text{mA}$	wavenumber at threshold $\text{cm}^{-1}$	maximum current $I_m/\text{mA}$	maximum total power $P_m/\text{mWatt}$
58	614	2486	1325	0.44
60	642	2490	1237	0.32
62	675	2505	1209	0.26

### Definition :

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

## Modal Distribution



max modal Power %	total Power mWatt
89.36	- 0.2961
88.98	- 0.2557
83.43	- 0.2752- L
78.91	- 0.2758- L
43.64	- 0.2647- L
93.87	- 0.2746
89.55	- 0.2816- L
92.75	- 0.2671- L
93.80	- 0.2836- L
97.08	- 0.2708
91.99	- 0.2708- L
91.77	- 0.2746- L
91.78	- 0.2636- L
89.92	- 0.2633
82.89	- 0.2584
54.57	- 0.2528- L
67.86	- 0.2491
87.66	- 0.2430- L
92.34	- 0.2345
92.88	- 0.2328
92.70	- 0.2128
93.13	- 0.2012
90.59	- 0.1974- L
80.56	- 0.1777- L
81.56	- 0.1631- L
95.76	- 0.1582
95.23	- 0.1446
94.40	- 0.1327- L
91.55	- 0.1109
87.52	- 0.0981- L

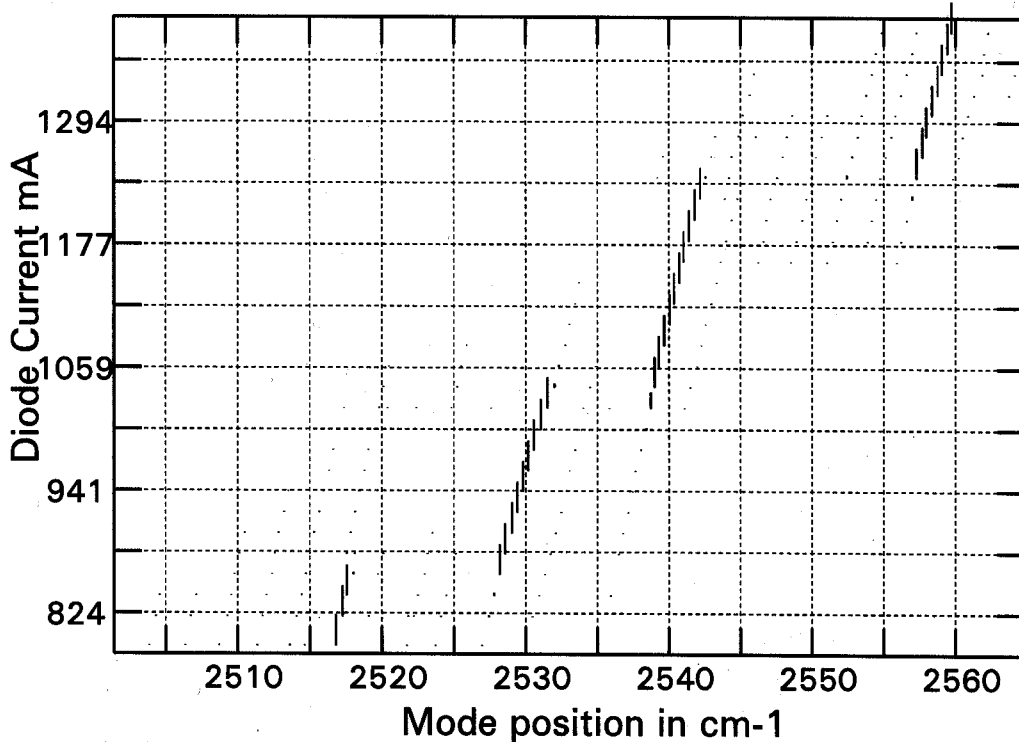
01/31/03

Operator:Huber

Laser: 364-HV-1-46

Temperature: 60.00 K

## Modal Distribution



max modal Power %	total Power mWatt
96.09	- 0.2197
96.17	- 0.1724
95.51	- 0.1797- L
95.10	- 0.1878
94.74	- 0.2005
92.39	- 0.2087- L
90.24	- 0.2038
79.37	- 0.2168- L
82.60	- 0.2134- L
94.91	- 0.2169- L
95.78	- 0.2198- L
96.87	- 0.2193- L
98.48	- 0.2142- L
98.43	- 0.2082- L
98.29	- 0.2003- L
96.47	- 0.2095- L
94.73	- 0.1915
87.13	- 0.1973
62.49	- 0.1954- L
93.56	- 0.1717- L
95.85	- 0.1663
96.31	- 0.1572- L
95.52	- 0.1492
95.26	- 0.1353
92.95	- 0.1269
88.84	- 0.1174- L
88.09	- 0.1024- L
84.36	- 0.0874
87.83	- 0.0751- L
85.77	- 0.0611- L

01/31/03

Operator:Huber

Laser: 364-HV-1-46

Temperature: 62.00 K