

# LASER COMPONENTS GmbH

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### Datasheet for Laser Components Leadchalkogenide - Diodelaser

Order Number : .....  
 LC Order Number : .....  
 Part Number : 03-Li330HV-46:  
 Customer Name : .....

Lasertype : IR-1375...  
 Wavenumber : 1375.....  
 Region : cm<sup>-1</sup>.....

Special Conditions : IR-1375-GMP-Premium.  
 : .....

Polarity : +  
 Housing (groun) : -

Operator : Huber..... Max Operationtemp / K : 95.....  
 Serial Number : 330-HV-1-46..... Max Diode Current cw / mA : 1130...  
 Date : 15/Jan/2003

### Record of Laser No. 330-HV-1-46

Date : 15/Jan/2003

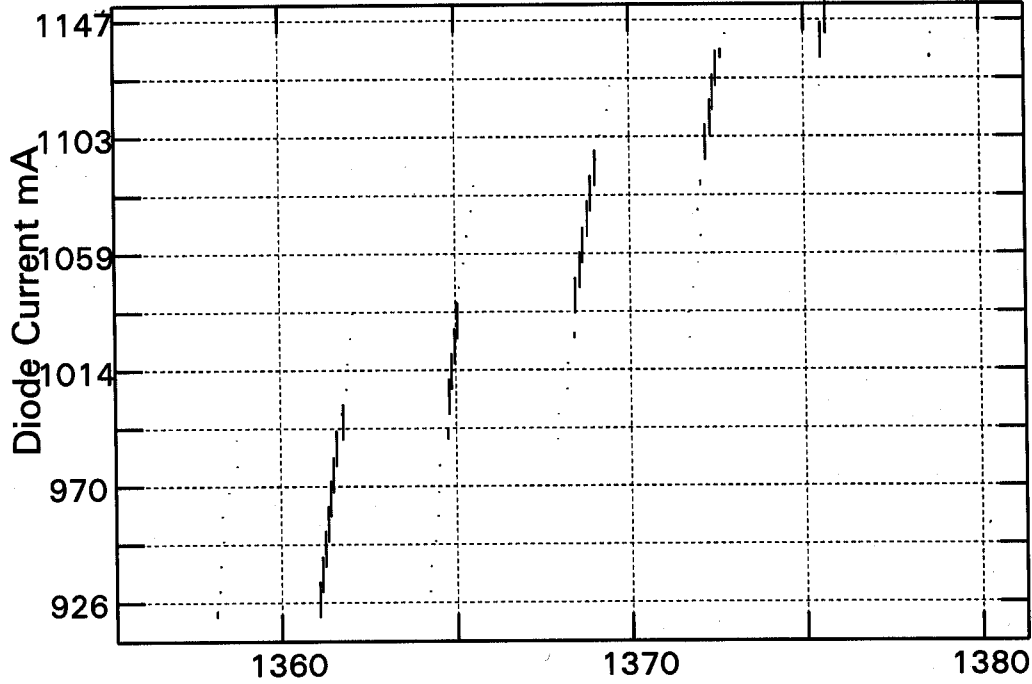
Operator: Huber

T / K	threshold current I <sub>th</sub> /mA	wavenumber at threshold cm <sup>-1</sup>	maximum current I <sub>m</sub> /mA	maximum total power P <sub>m</sub> /mWatt
88	886	1358	1117	0.52
90	916	1375	1127	0.43
92	977	1402	1090	0.13

### Definition :

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

## Modal Distribution



max modal Power %	total Power mWatt
95.88	- 0.5007
73.43	- 0.4793- L
98.90	- 0.4929
99.23	- 0.4708
98.71	- 0.4537
94.26	- 0.4447
86.54	- 0.3971
93.50	- 0.2488
93.38	- 0.2166
96.74	- 0.2891
95.44	- 0.3144
72.75	- 0.2941
84.23	- 0.2729- L
96.72	- 0.2584
96.83	- 0.2488
94.13	- 0.2163
75.08	- 0.1945- L
95.92	- 0.1817- L
96.92	- 0.1585
96.97	- 0.1382- L
96.86	- 0.1277
95.54	- 0.1074- L
92.15	- 0.0856- L
81.14	- 0.0581- L

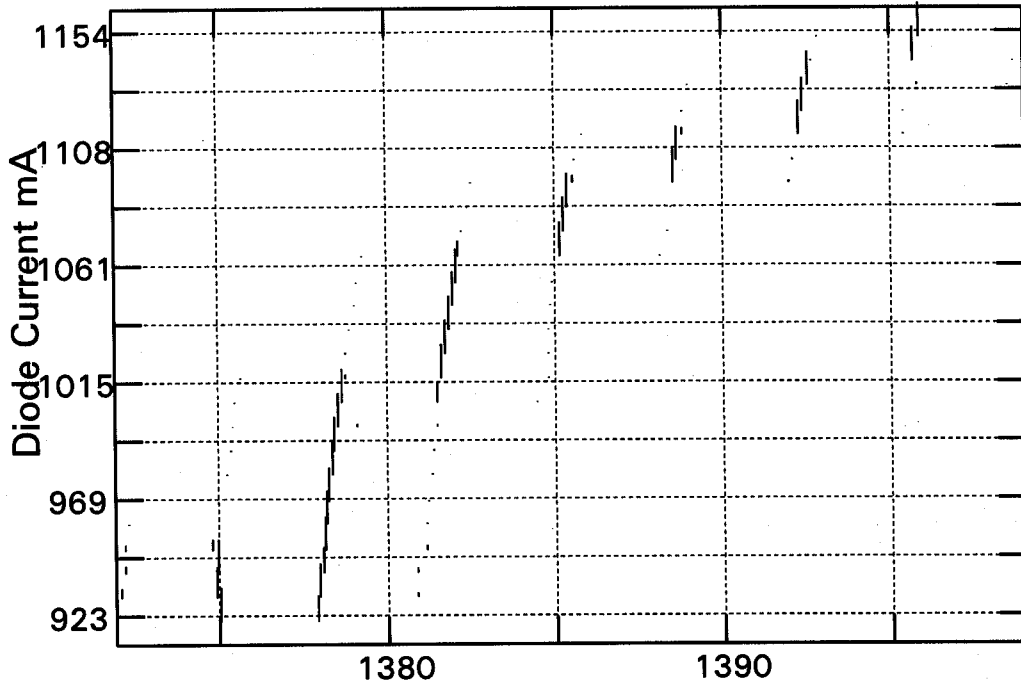
01/15/03

Operator:Huber

Laser: 330-HV-1-46

Temperature: 88.00 K

## Modal Distribution



max modal Power %	total Power mWatt
98.02	- 0.4157
96.88	- 0.4067- L
92.96	- 0.4009- L
97.89	- 0.3994
82.64	- 0.3904- L
95.23	- 0.3753
78.95	- 0.3492
97.17	- 0.3179
97.71	- 0.3301
68.43	- 0.2993- L
96.65	- 0.2598
98.07	- 0.2517
98.07	- 0.2525
96.99	- 0.2244
88.91	- 0.1930- L
63.36	- 0.1727- L
86.24	- 0.1547- L
96.27	- 0.1283
96.71	- 0.1167
98.13	- 0.0946
95.10	- 0.0734- L
61.83	- 0.0369- L
47.58	- 0.0324- L
43.40	- 0.0218- L
36.13	- 0.0087- L

01/15/03

Operator:Huber

Laser: 330-HV-1-46

Temperature: 90.00 K