

# LASER COMPONENTS GmbH

## Address

Werner-von-Siemens-Str. 15 P.O. Box 1129  
D-82140 Olching D-82133 Olching  
Phone ++49-8142-28640 · Fax ++49-8142-286411  
E-Mail: info@lasercomponents.de · homepage: http://www.lasercomponents.de



### Datasheet for Laser Components Leadchalkogenide - Diodelaser

Order Number : .....  
LC Order Number : .....  
Part Number : 03-Li4445V-26  
Customer Name : .....

Lasertype : IR-1150...  
Wavenumber : 1150.....  
Region : cm<sup>-1</sup>.....

Special Conditions : IR-1150-GMP.....  
.....  
.....

Polarity : +  
Housing : -  
(groun)

Operator : Huber.....  
Serial Number : 445-HV-1-26.....  
Date : 17/Oct/2002  
Max Operationtemp / K : 86.....  
Max Diode Current cw / mA : 1000...

### Record of Laser No. 445-HV-1-26

Date : 17/Oct/2002

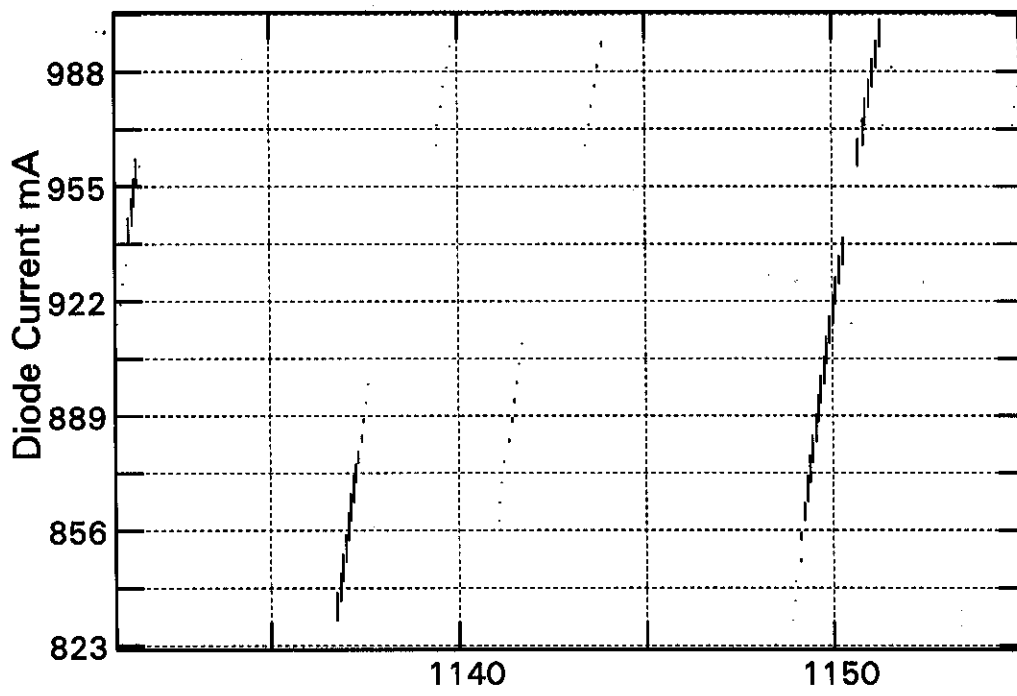
Operator: Huber

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>h</sub> /mWatt
80	721	1134	974	0.15
82	735	1136	960	0.17
84	763	1149	936	0.16
86	802	1151	952	0.09

### Definition :

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

## Modal Distribution



max modal Power %	total Power mWatt
82.10	- 0.1415
82.93	- 0.1350-L
89.38	- 0.1366
91.12	- 0.1449
91.47	- 0.1613-L
95.16	- 0.1603
95.47	- 0.1719
100.00	- 0.1663
100.00	- 0.1686
100.00	- 0.1675
100.00	- 0.1591
97.61	- 0.1627
98.13	- 0.1617
98.55	- 0.1598
98.31	- 0.1489-L
98.51	- 0.1468
98.43	- 0.1452
92.21	- 0.1417
83.86	- 0.1371
77.78	- 0.1273
72.54	- 0.1273
67.49	- 0.1183
58.86	- 0.1172
50.72	- 0.1155
60.25	- 0.1062
77.16	- 0.1072
89.94	- 0.0975
98.06	- 0.0961
99.29	- 0.0894
99.44	- 0.0884-L

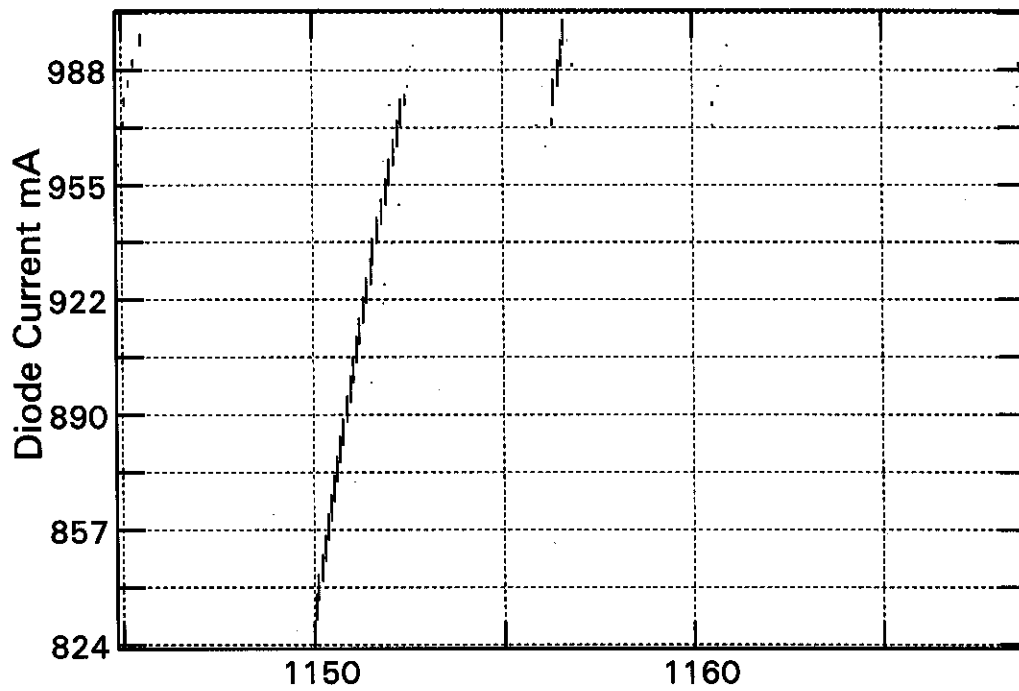
10/17/02

Operator:Huber

Laser: 445-HV-1-26

Temperature: 82.00 K

## Modal Distribution



max modal Power %	total Power mWatt
44.39	- 0.1042
64.55	- 0.0921-L
77.79	- 0.0911
53.80	- 0.1024-L
67.58	- 0.0935-L
88.76	- 0.1049
93.10	- 0.1197
95.92	- 0.1308
95.67	- 0.1503-L
100.00	- 0.1445
95.27	- 0.1481-L
100.00	- 0.1449
96.59	- 0.1399-L
99.32	- 0.1387-L
100.00	- 0.1385
100.00	- 0.1338
100.00	- 0.1277
99.15	- 0.1246-L
100.00	- 0.1149
100.00	- 0.1098
100.00	- 0.1070
100.00	- 0.1033
98.78	- 0.0950-L
100.00	- 0.0911
100.00	- 0.0864
100.00	- 0.0801
100.00	- 0.0786
100.00	- 0.0717
100.00	- 0.0706
100.00	- 0.0671

10/17/02

Operator:Huber

Laser: 445-HV-1-26

Temperature: 84.00 K