

LASER COMPONENTS GmbH

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Datasheet for Laser Components Leadchalkogenide - Diodelaser

Order Number :
 LC Order Number :
 Part Number : 03-LI368HV-44
 Customer Name :

Lasertype : IR-2630...
 Wavenumber : 2630.....
 Region : cm⁻¹.....

Special Conditions : IR-2630-GMP.....

Polarity : +
 Housing : -
 (groun)

Operator : Huber.....
 Serial Number : 368-HV-1-44.....
 Date : 21/Nov/2003
 Max Operationtemp / K : 103....
 Max Diode Current cw / mA : 1370...

Record of Laser No. 368-HV-1-44

Date : 21/Nov/2003

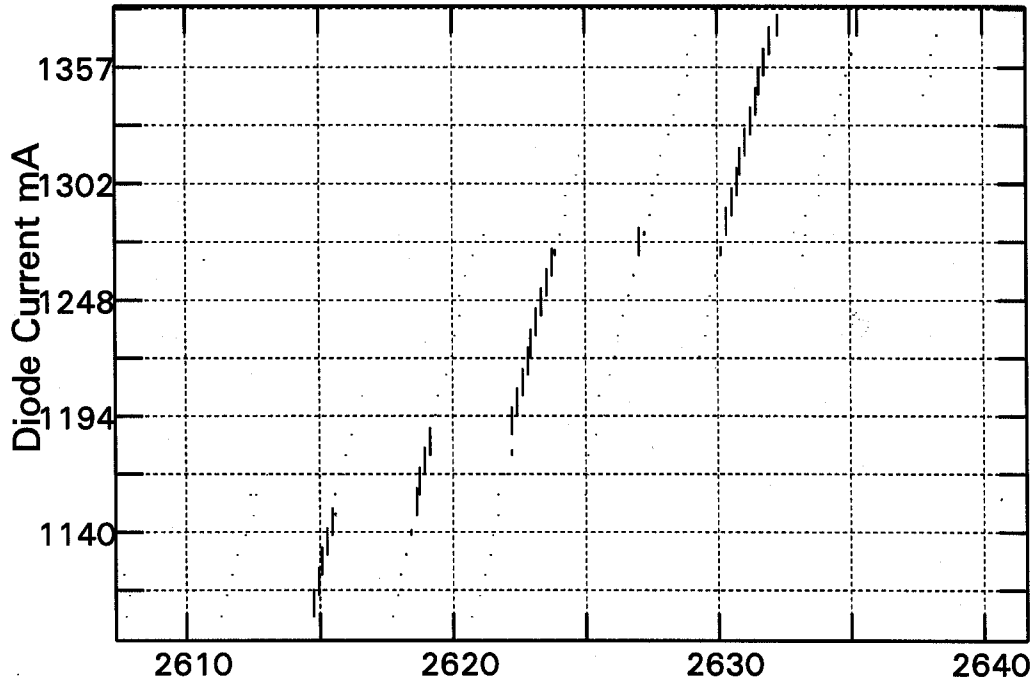
Operator: Huber

T / K	threshold current I _{th} /mA	wavenumber at threshold cm ⁻¹	maximum current I _m /mA	maximum total power P _m /mWatt
100	930	2600	1367	0.24
101	950	2601	1356	0.19
102	968	2610	1295	0.16
103	1013	2615	1367	0.13

Definition :

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

Modal Distribution



max modal Power %	total Power mWatt
55.18	- 0.1909
91.02	- 0.1768
95.62	- 0.1692
96.46	- 0.1733
97.74	- 0.1797
97.88	- 0.1786
97.49	- 0.1740- L
97.15	- 0.1689
96.47	- 0.1726
94.70	- 0.1816- L
85.63	- 0.1800- L
65.86	- 0.1726
90.65	- 0.1613- L
94.83	- 0.1627- L
96.67	- 0.1523
97.00	- 0.1531
97.08	- 0.1547
97.81	- 0.1492
96.75	- 0.1488- L
95.50	- 0.1479
90.22	- 0.1375
81.59	- 0.1389
92.98	- 0.1320- L
92.69	- 0.1324- L
89.05	- 0.1242
80.21	- 0.1160
93.13	- 0.1161
94.19	- 0.1161- L
94.41	- 0.1098- L
92.97	- 0.1094- L

11/21/03

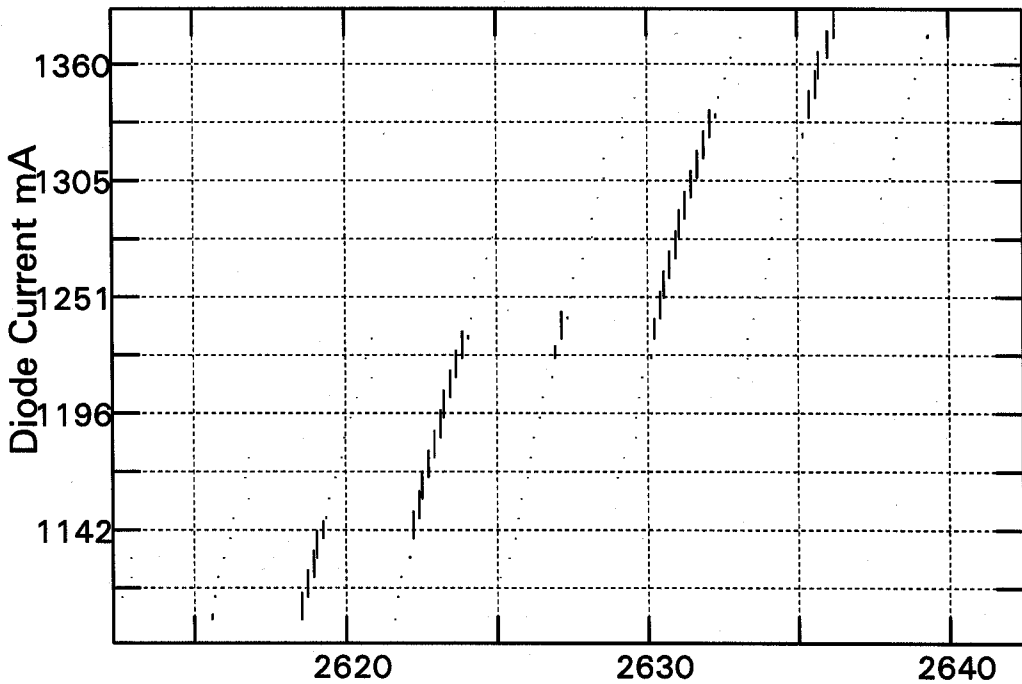
Mode position in cm-1

Operator: Huber

Laser: 368-HV-1-44

Temperature: 101.00 K

Modal Distribution



max modal Power %	total Power mWatt
85.99	- 0.1466
93.63	- 0.1434
94.60	- 0.1500- L
92.78	- 0.1501- L
84.04	- 0.1511- L
84.65	- 0.1438
93.93	- 0.1465- L
96.23	- 0.1481
96.77	- 0.1459
97.89	- 0.1437
97.04	- 0.1388
97.09	- 0.1475
95.98	- 0.1417- L
95.13	- 0.1449
90.46	- 0.1414
53.07	- 0.1393
62.02	- 0.1335- L
91.69	- 0.1273- L
95.30	- 0.1167
96.01	- 0.1174
96.48	- 0.1204- L
96.05	- 0.1133- L
95.52	- 0.1174- L
94.94	- 0.1102- L
91.59	- 0.1110- L
59.31	- 0.0997- L
89.12	- 0.0942- L
91.39	- 0.0929- L
91.41	- 0.0866
80.14	- 0.0845

11/21/03

Mode position in cm-1

Operator: Huber

Laser: 368-HV-1-44

Temperature: 102.00 K