

Datasheet for Laser Components Leadchalkogenide - Diodelaser

Order Number :
 LC Order Number :
 Part Number : 03LI432HV1-21:
 Customer Name :

Lasertype : IR-1650...
 Wavelength : 1650,.....
 Region : cm⁻¹.....

Special Conditions : IR-1650-GMP-Premium.

Polarity : +
 Housing (ground) : -

Operator : Huber.....
 Serial Number : 432-HV-1-21.....
 Date : 26/Apr/2002
 Max Operationtemp / K : 85.00..
 Max Diode Current cw / mA : 560.....

Record of Laser No. 432-HV-1-21

Date : 26/Apr/2002

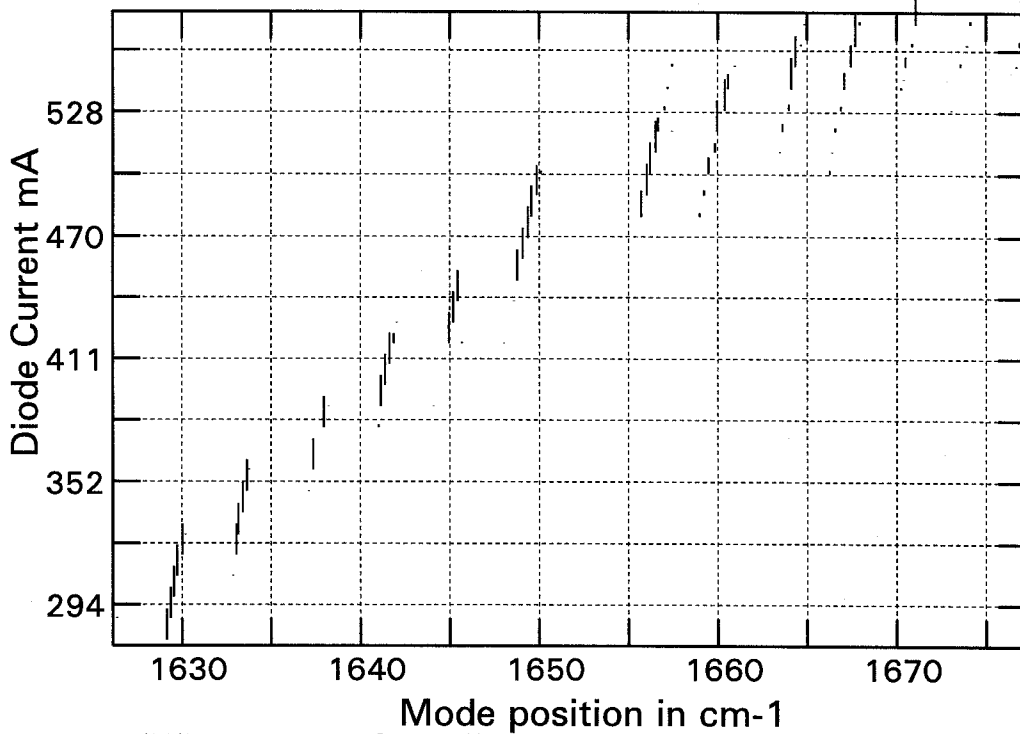
Operator: Huber

T / K	threshold current I _{th} /mA	wavelength at threshold cm ⁻¹	maximum current I _m /mA	maximum total power P _m /mWatt
79	278	1622	562	0.66
79	277	1622	553	0.68
80	277	1629	522	0.68
81	280	1633	510	0.61
82	279	1637	541	0.66

Definition :

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

Modal Distribution



max modal Power %	total Power mWatt
81.69	- 0.6944
77.12	- 0.6218
44.87	- 0.6560
47.79	- 0.6447
68.54	- 0.5954
56.20	- 0.5568- L
75.42	- 0.4909
58.51	- 0.1504
47.31	- 0.0331
50.83	- 0.1580
100.00	- 0.4296
100.00	- 0.4078
100.00	- 0.3643
98.33	- 0.2032
99.19	- 0.3065
72.83	- 0.3318- L
100.00	- 0.3605
100.00	- 0.3463
98.28	- 0.3269
91.37	- 0.0972
98.58	- 0.1583
99.27	- 0.2082
100.00	- 0.1894
99.46	- 0.1594
50.17	- 0.1343
99.26	- 0.1106
100.00	- 0.0729
97.86	- 0.0393
61.13	- 0.0020

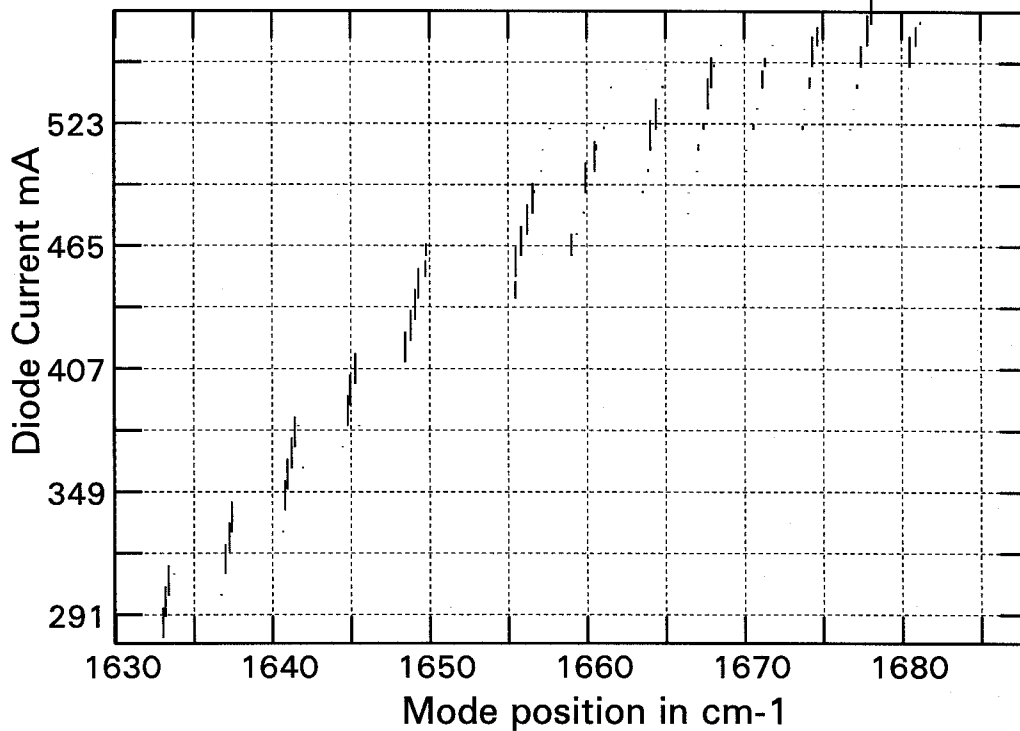
04/26/02

Operator:Huber

Laser: 432-HV-1-21

Temperature: 80.00 K

Modal Distribution



max modal Power %	total Power mWatt
92.43	- 0.7216
43.97	- 0.3443
32.20	- 0.2853- L
46.53	- 0.5417- L
94.29	- 0.5588
62.38	- 0.5695
71.04	- 0.5460
87.44	- 0.5144
87.63	- 0.5161
94.36	- 0.4557
95.70	- 0.4386
47.00	- 0.0048- L
65.15	- 0.0294- L
64.11	- 0.0222
100.00	- 0.4102
100.00	- 0.3173
100.00	- 0.1983
100.00	- 0.2563
100.00	- 0.2746
98.74	- 0.2665- L
98.84	- 0.2717
95.41	- 0.2511- L
100.00	- 0.2163
100.00	- 0.1019
96.64	- 0.0763- L
100.00	- 0.1089
98.69	- 0.0856- L
96.65	- 0.0714
100.00	- 0.0409
94.55	- 0.0080

04/26/02

Operator:Huber

Laser: 432-HV-1-21

Temperature: 81.00 K