

LASER COMPONENTS GmbH

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LASER
COMPONENTS



Datasheet for Laser Components Leadchalkogenide - Diodelaser

Order Number :
LC Order Number :
Part Number : 03Li340HV1-46
Customer Name :

Lasertype : IR-1120...
Wavenumber : 1120.....
Region : cm^{-1}

Special Conditions : IR-1120-GMP.....
.....
.....

Polarity : +
Housing : -
(groun)

Operator : Huber.....
Serial Number : 340-HV-1-46..... Max Operationtemp / K : 101....
Date : 13/Jun/2002 Max Diode Current cw / mA : 680....

Record of Laser No. 340-HV-1-46

Date : 13/Jun/2002

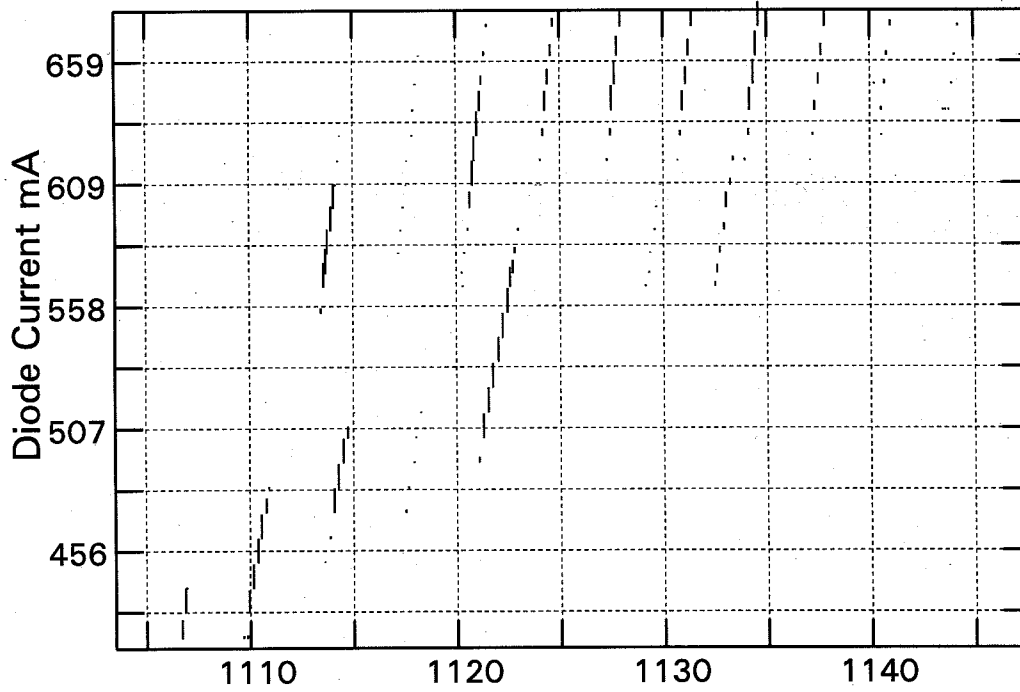
Operator: Huber

T / K	threshold current I_{th}/mA	wavenumber at threshold cm^{-1}	maximum current I_m/mA	maximum total power P_m/mWatt
80	381	1103	682	0.33
82	394	1110	681	0.31
86	419	1130	681	0.23
90	443	1149	645	0.23
101	610	1226	679	0.15

Definition :

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

Modal Distribution



max modal Power %	total Power mWatt
26.76	- 0.3071
25.32	- 0.2909- L
22.64	- 0.2685- L
19.85	- 0.2485- L
41.28	- 0.2375- L
63.25	- 0.2166- L
71.82	- 0.2020- L
42.26	- 0.1890
63.70	- 0.1887
62.03	- 0.1765- L
50.74	- 0.1649- L
47.48	- 0.1559- L
83.17	- 0.1518
100.00	- 0.1451
100.00	- 0.1475
100.00	- 0.1402
94.03	- 0.1402- L
65.30	- 0.1367- L
78.47	- 0.1286
87.76	- 0.1184
57.85	- 0.1179
92.32	- 0.1019
96.21	- 0.1001- L
93.52	- 0.0874- L
52.52	- 0.0772
50.28	- 0.0610- L

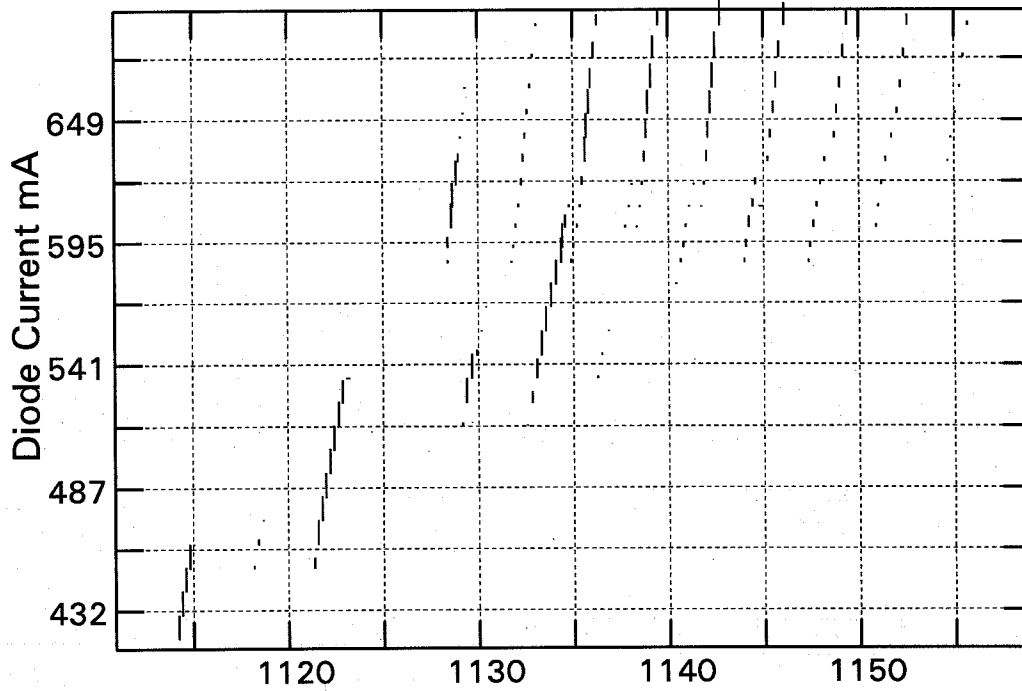
06/13/02

Operator:Huber

Laser: 340-HV-1-46

Temperature: 80.00 K

Modal Distribution



max modal Power %	total Power mWatt
22.91	- 0.3216
24.17	- 0.2946
22.56	- 0.2703- L
23.16	- 0.2467- L
28.65	- 0.2267
30.19	- 0.2012- L
39.08	- 0.1837- L
43.23	- 0.1785- L

06/13/02

Operator:Huber

Laser: 340-HV-1-46

Temperature: 82.00 K