

LASER COMPONENTS GmbH

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Datasheet for Laser Components Leadchalkogenide - Diodelaser

Order Number :
 LC Order Number :
 Part Number : 03-Li382HV-98:
 Customer Name :

Lasertype : IR-1670...
 Wavenumber : 1670.....
 Region : cm

Special Conditions : IR-1670-GMP-Premium.
 :

Polarity : +
 Housing : -
 (groun)

Operator : Huber.....
 Serial Number : 382-HV-1-98.... Max Operationtemp / K : 107....
 Date : 04/Feb/2003 Max Diode Current cw / mA : 420....

Record of Laser No. 382-HV-1-98

Date : 04/Feb/2003

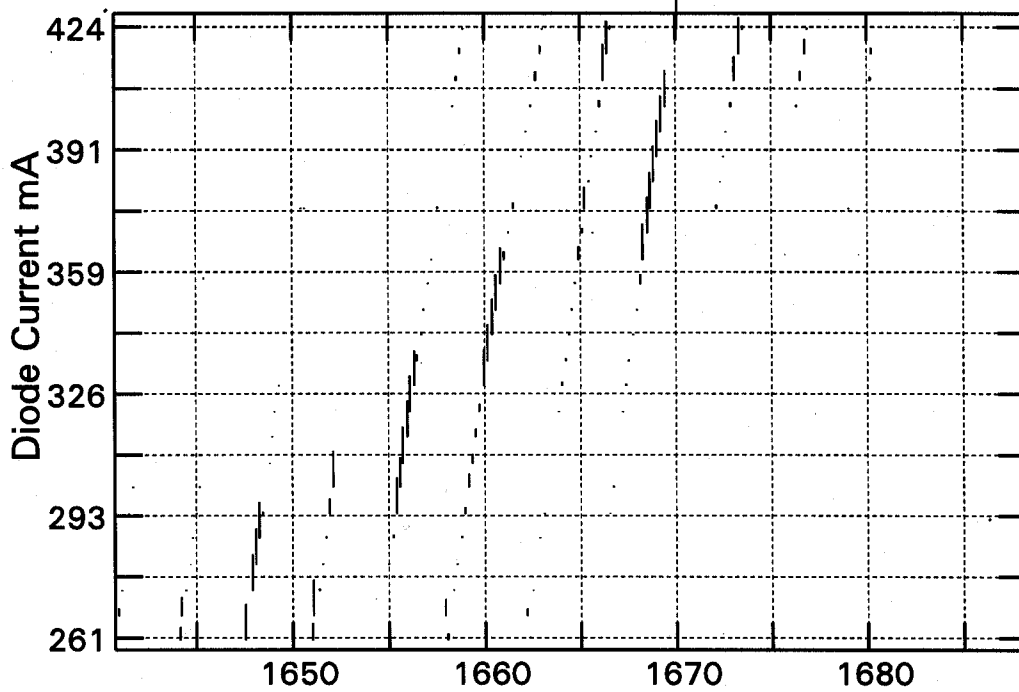
Operator: Huber

T / K	threshold current I _{th} /mA	wavenumber at threshold cm ⁻¹	maximum current I _m /mA	maximum total power P _m /mWatt
105	207	1631	393	0.49
106	220	1643	390	0.40
107	212	1647	418	0.52

Definition :

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

Modal Distribution



max modal Power %	total Power mWatt
81.17	0.0846- L
35.53	0.0129
41.59	0.0303- L
70.57	0.1580
96.15	0.3446
96.43	0.3739
95.96	0.3591
51.66	0.1440- L
86.93	0.3370- L
62.99	0.3875
75.95	0.3594
91.73	0.3576
88.08	0.3289
79.65	0.3301
47.50	0.2923
80.59	0.2703
81.63	0.2299
79.22	0.2035
44.31	0.1135- L
59.40	0.1164
85.19	0.1379
95.18	0.1454
91.43	0.1022
42.31	0.0150- L
47.37	0.0339

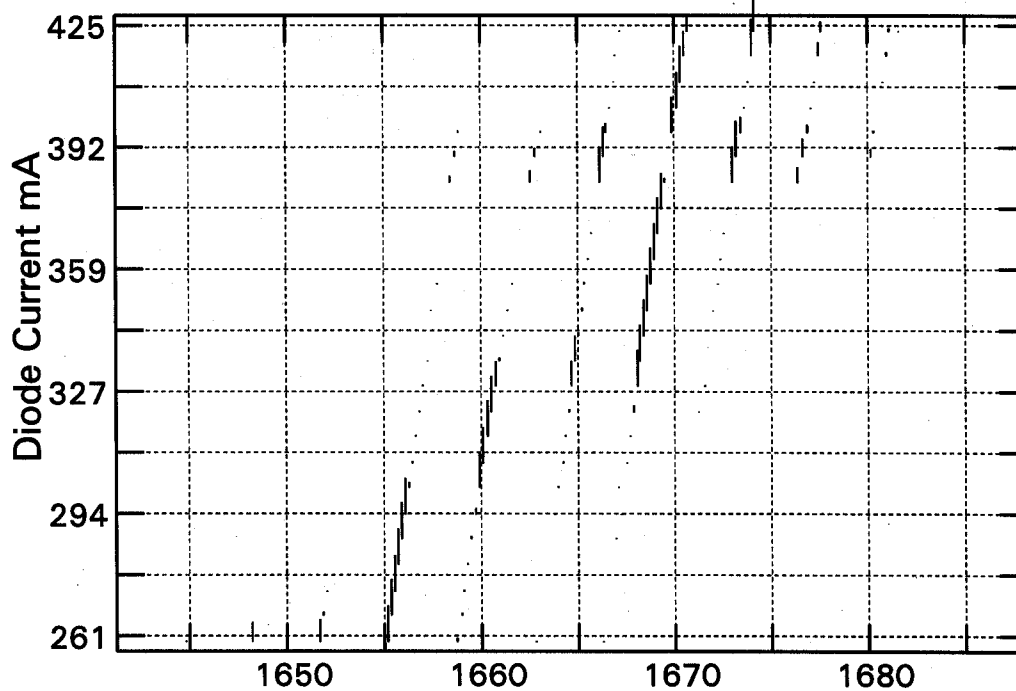
02/04/03

Operator:Huber

Laser: 382-HV-1-98

Temperature: 106.00 K

Modal Distribution



max modal Power %	total Power mWatt
53.84	0.5190- L
46.93	0.4999
94.96	0.4224
95.23	0.3211
48.22	0.1205- L
34.27	0.0075
33.64	0.0369- L
94.01	0.2302
97.62	0.3303
97.50	0.3327
93.06	0.2360
89.07	0.2148
91.33	0.3216
55.84	0.3199
41.03	0.3071
78.55	0.2781
91.75	0.2613
90.87	0.2447
84.28	0.2340- L
84.44	0.2003
93.94	0.1791
95.79	0.1663
95.81	0.1524
87.10	0.1240
43.75	0.1060- L

02/04/03

Operator:Huber

Laser: 382-HV-1-98

Temperature: 107.00 K