

LASER COMPONENTS GmbH

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Datasheet for Laser Components Leadchalkogenide - Diodelaser

Order Number :
LC Order Number :
Part Number : 03-LI376HV-163
Customer Name :

Lasertype : IR-2280...
Wavenumber : 2280
Region : cm^{-1}

Special Conditions : IR-2280-GMP.....
.....

Polarity : +
Housing (ground) : -

Operator : Huber..... Max Operationtemp / K : 85.....
Serial Number : 376-HV-1-163... Max Diode Current cw / mA : 320....
Date : 22/Jul/2003

Record of Laser No. 376-HV-1-163

Date : 22/Jul/2003

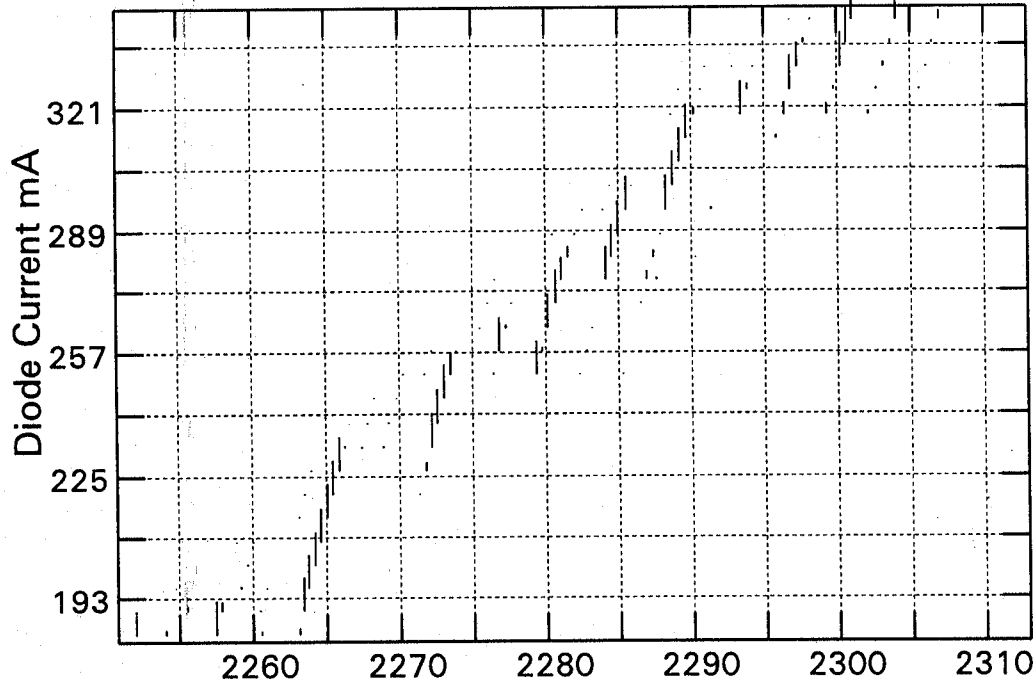
Operator: Huber

T / K	threshold current I_{th}/mA	wavenumber at threshold cm^{-1}	maximum current I_m/mA	maximum total power P_h/mWatt
82	178	2253	312	0.43
83	182	2257	312	0.40
84	186	2264	312	0.37

Definition :

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

Modal Distribution



max modal Power %	total Power mWatt
51.99	- 0.2677
77.20	- 0.4049
53.20	- 0.3521
72.38	- 0.3594
48.53	- 0.3327
89.57	- 0.3750- L
99.06	- 0.3460- L
98.38	- 0.3518
47.83	- 0.3228
95.10	- 0.2909
62.76	- 0.2935
49.92	- 0.2941- L
97.21	- 0.2491
89.25	- 0.2584
87.29	- 0.2357
57.40	- 0.2215
97.58	- 0.1948
94.52	- 0.1785
89.66	- 0.1704- L
77.93	- 0.1411
96.49	- 0.1112
96.90	- 0.1106
96.31	- 0.0946
94.94	- 0.0711- L
91.80	- 0.0531- L
69.78	- 0.0310- L
45.56	- 0.0100- L

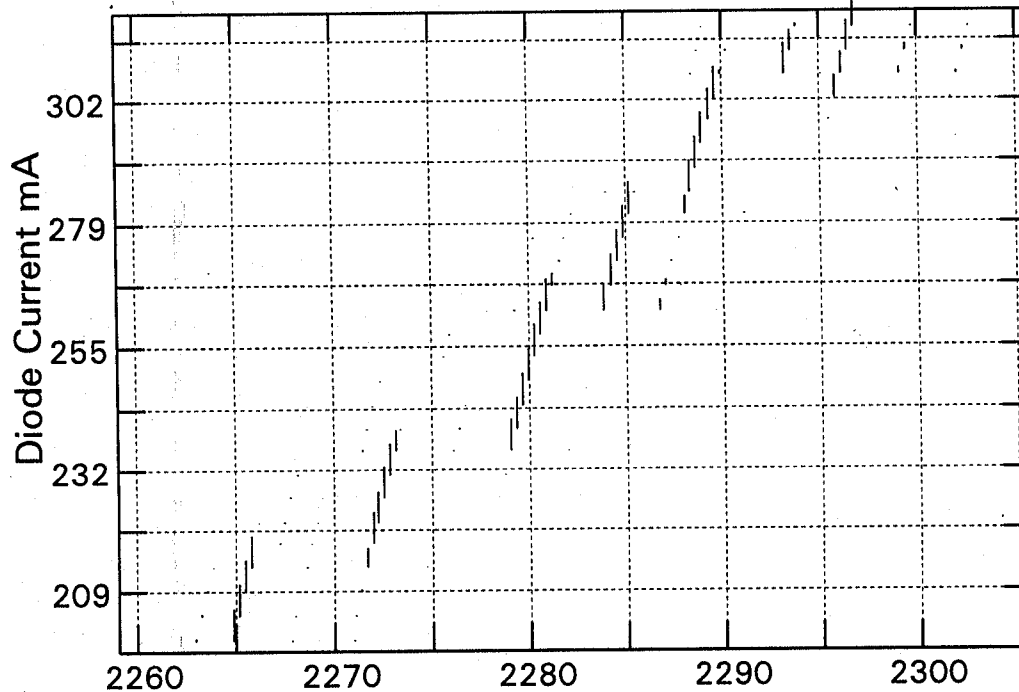
07/22/03

Operator:Huber

Laser: 376-HV-1-163

Temperature: 83.00 K

Modal Distribution



max modal Power %	total Power mWatt
83.73	- 0.3028
47.59	- 0.3193
46.42	- 0.3237- L
56.36	- 0.3138- L
98.05	- 0.3158- L
98.79	- 0.3007- L
98.98	- 0.3179- L
98.23	- 0.2880
61.92	- 0.2941- L
97.58	- 0.2737
94.47	- 0.2473
60.57	- 0.2444- L
45.20	- 0.2401
98.91	- 0.2177
98.68	- 0.2067
98.86	- 0.2020
97.54	- 0.1954
93.31	- 0.1791
57.72	- 0.1538
97.03	- 0.1495
95.92	- 0.1184
96.30	- 0.1179
95.56	- 0.1094- L
61.22	- 0.0943
88.07	- 0.0682- L
93.87	- 0.0610
92.51	- 0.0496- L

07/22/03

Operator:Huber

Laser: 376-HV-1-163

Temperature: 84.00 K