

LASER COMPONENTS GmbH

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Datasheet for Laser Components Leadchalkogenide - Diodelaser

Order Number :
LC Order Number :
Part Number : 03-Li427HV-11:
Customer Name :

Lasertype : IR-2775...
Wavenumber : 2775,.....
Region : cm⁻¹.....

Special Conditions : IR-2775-GMP-Premium.
.....
.....

Polarity : +
Housing (groun) : -

Operator : Huber..... Max Operationtemp / K : 103....
Serial Number : 427-HV-1-11..... Max Diode Current cw / mA : 340....
Date : 30/Oct/2003

Record of Laser No. 427-HV-1-11

Date : 30/Oct/2003

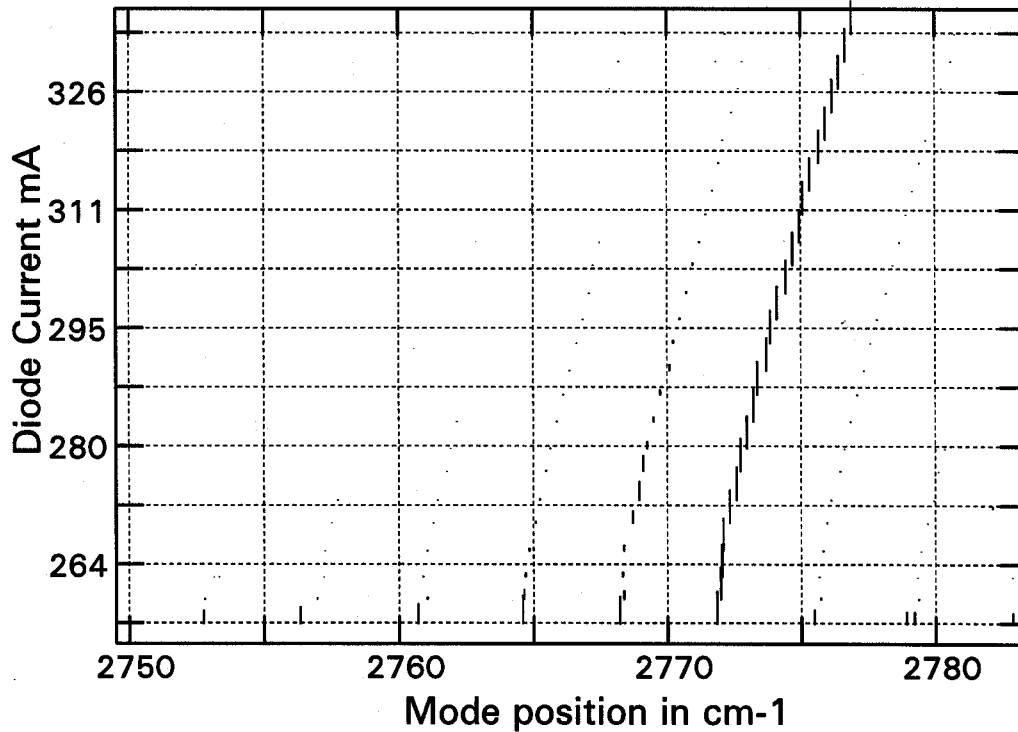
Operator: Huber

T / K	threshold current I _{th} /mA	wavenumber at threshold cm ⁻¹	maximum current I _m /mA	maximum total power P _{th} /mWatt
100	256	2761	338	0.39
100	256	2761	338	0.36
102	272	2771	338	0.35

Definition :

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

Modal Distribution



max modal Power %	total Power mWatt
94.59	- 0.3504
96.96	- 0.3512- L
97.83	- 0.3228
98.43	- 0.3211
97.93	- 0.3126
97.73	- 0.2964
97.72	- 0.3245
97.27	- 0.2981
94.95	- 0.2801
91.46	- 0.2851
92.05	- 0.2656
93.44	- 0.2705
87.77	- 0.2409
81.19	- 0.2360
85.10	- 0.2166
84.37	- 0.2099
78.04	- 0.2017
63.86	- 0.1675
60.21	- 0.1544
67.59	- 0.1504
76.03	- 0.1309
73.07	- 0.0981- L
53.39	- 0.0366- L
17.12	- 0.0088- L

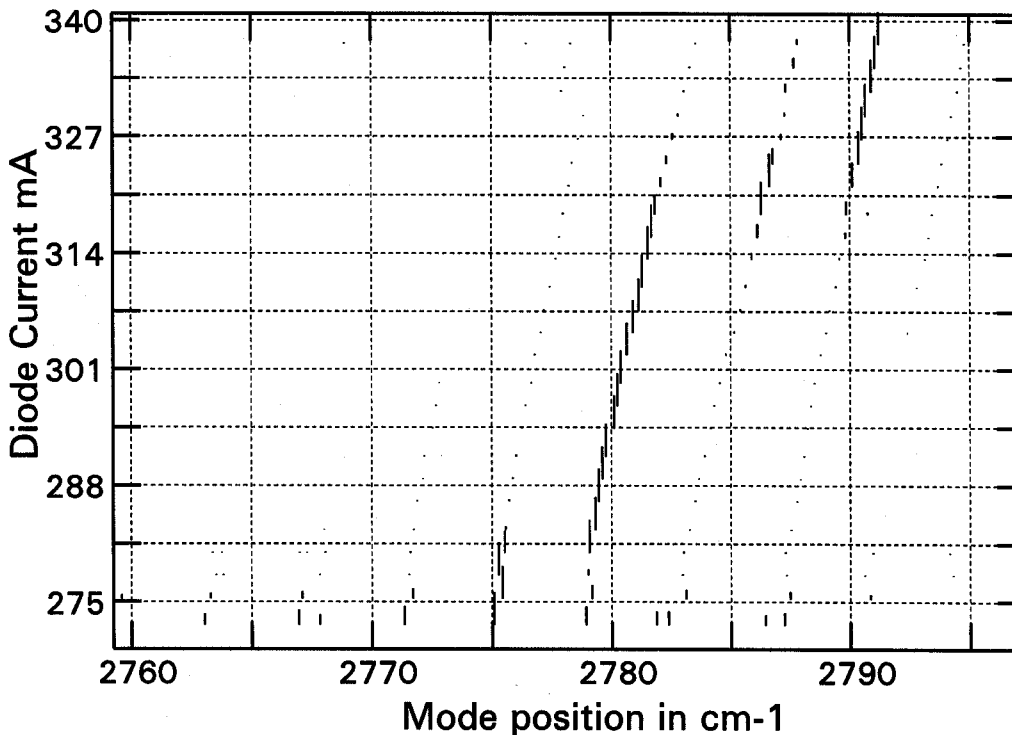
10/30/03

Operator:Huber

Laser: 427-HV-1-11

Temperature: 100.00 K

Modal Distribution



max modal Power %	total Power mWatt
83.54	- 0.3501- L
74.82	- 0.3181
78.13	- 0.2880
84.46	- 0.2935- L
74.65	- 0.3025
58.45	- 0.2836
48.80	- 0.2851
47.39	- 0.2761- L
62.69	- 0.2688
83.56	- 0.2401
88.75	- 0.2375
90.95	- 0.2177
92.58	- 0.2163
94.14	- 0.2093
93.88	- 0.1962
94.12	- 0.1991
93.58	- 0.1718
92.94	- 0.1655
92.74	- 0.1518
92.08	- 0.1437
87.35	- 0.1306
55.79	- 0.1089- L
78.59	- 0.0842- L
32.78	- 0.0126- L
17.75	- 0.0080- L

10/30/03

Operator:Huber

Laser: 427-HV-1-11

Temperature: 102.00 K