

LASER COMPONENTS GmbH

Address

Werner-von-Siemens-Str. 15 P.O. Box 1129
D-82140 Olching D-82133 Olching
Phone ++49-8142-28640 Fax ++49-8142-286411
E-Mail: info@lasercomponents.de homepage: http://www.lasercomponents.de



Datasheet for Laser Components Leadchalkogenide - Diodelaser

Order Number :
LC Order Number :
Part Number : 03-LI368HV-19
Customer Name :

Lasertype : IR-2570...
Wavenumber : 2570.....
Region : cm⁻¹.....

Special Conditions : IR-2570-GMP-Premium.
-Plus.....
.....

Polarity : +
Housing : -
(groun)

Operator : Huber.....
Serial Number : 368-HV-1-19.....
Date : 13/Jan/2003
Max Operationtemp / K : 86.....
Max Diode Current cw / mA : 630.....

Record of Laser No. 368-HV-1-19

Date : 13/Jan/2003

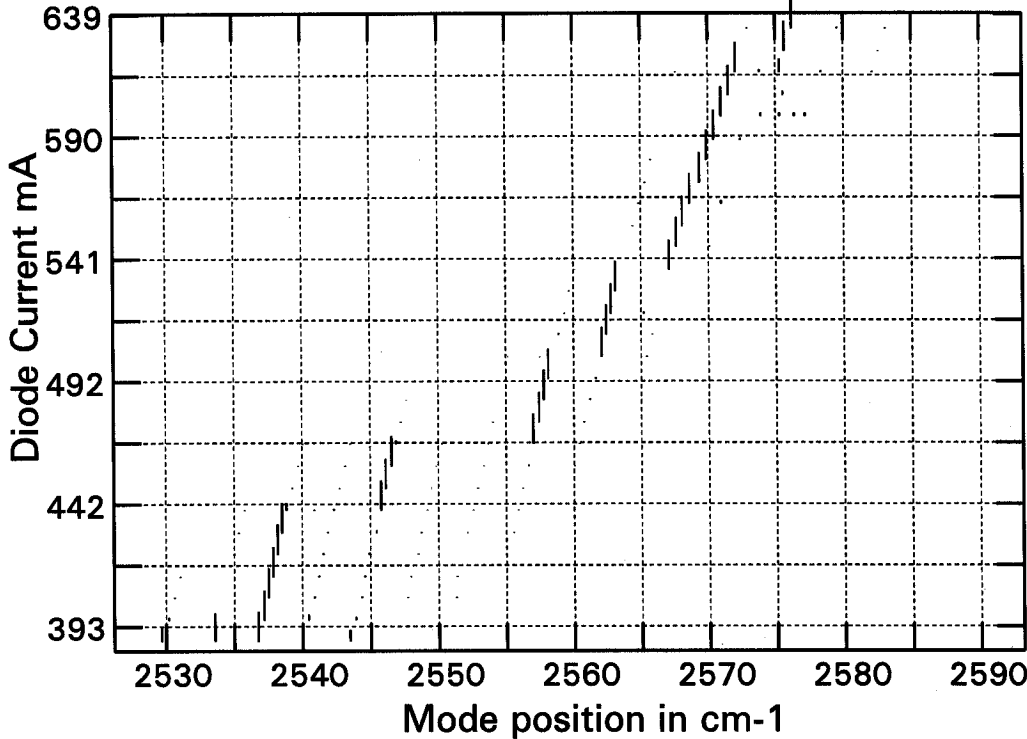
Operator: Huber

T / K	threshold current I _{th} /mA	wavenumber at threshold cm ⁻¹	maximum current I _m /mA	maximum total power P _h /mWatt
80	367	2524	594	0.93
82	387	2534	576	0.68
84	421	2543	556	0.41

Definition :

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

Modal Distribution



max modal Power %	total Power mWatt
93.69	- 0.5771
94.54	- 0.6041-L
63.90	- 0.5878-L
89.31	- 0.6256-L
69.69	- 0.6421-L
96.00	- 0.6436-L
99.45	- 0.6256
99.30	- 0.6145
90.39	- 0.6087-L
98.62	- 0.6003
95.35	- 0.6308-L
73.09	- 0.5823-L
98.91	- 0.5489
94.02	- 0.5327-L
95.73	- 0.5405
61.39	- 0.5007-L
96.20	- 0.4502
97.40	- 0.4139
96.67	- 0.3957
86.90	- 0.3405
92.41	- 0.2880
93.46	- 0.2601
75.44	- 0.2328-L
87.57	- 0.2012
91.57	- 0.1568-L
90.28	- 0.1181-L
83.05	- 0.0801-L
49.74	- 0.0315-L
29.66	- 0.0085

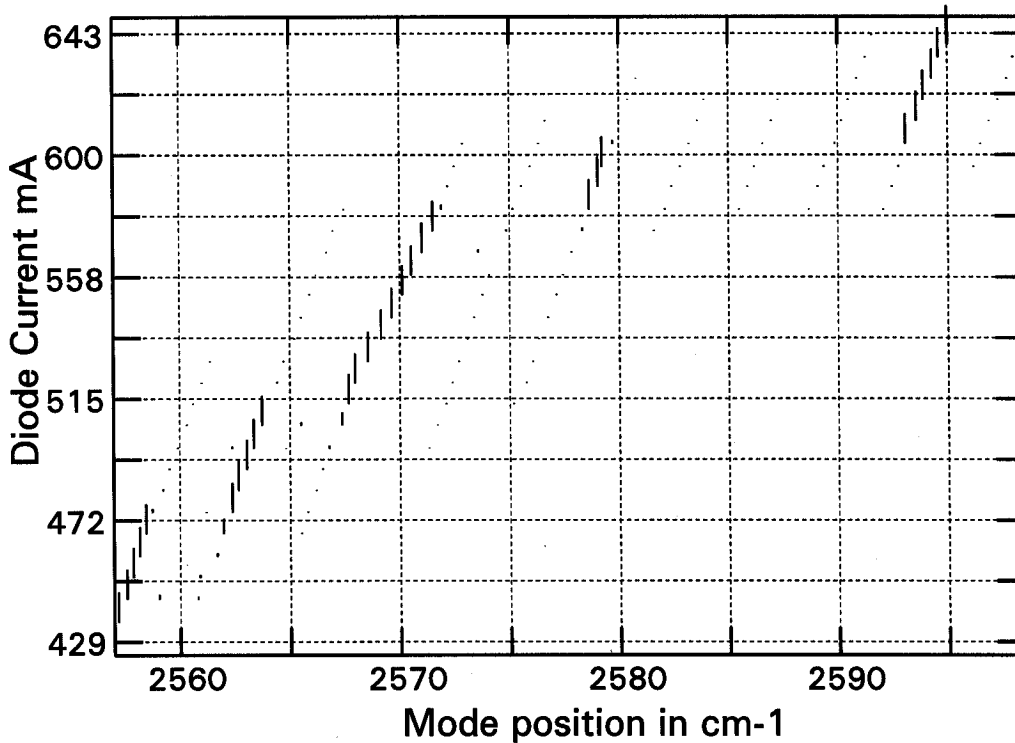
01/13/03

Operator:Huber

Laser: 368-HV-1-19

Temperature: 82.00 K

Modal Distribution



max modal Power %	total Power mWatt
92.33	- 0.3623
95.85	- 0.3324
96.46	- 0.3463
95.09	- 0.3327
93.37	- 0.3399
83.70	- 0.3449
89.90	- 0.3315
92.39	- 0.3373
81.71	- 0.3469-L
88.98	- 0.3446
88.11	- 0.3501-L
96.58	- 0.3623-L
96.93	- 0.3631
96.81	- 0.3716
96.93	- 0.3541
95.78	- 0.3536
93.95	- 0.3164
88.82	- 0.3181-L
64.36	- 0.2880-L
85.02	- 0.2752-L
93.75	- 0.2575
92.99	- 0.2267
86.63	- 0.2122-L
65.64	- 0.1794-L
89.55	- 0.1402-L
91.53	- 0.1199-L
81.41	- 0.0845-L
100.00	- 0.0482
100.00	- 0.0199

01/13/03

Operator:Huber

Laser: 368-HV-1-19

Temperature: 84.00 K