

# LASER COMPONENTS GmbH

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Datasheet for Laser Components Leadchalkogenide - Diodelaser															
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**Record of Laser No. 388-HV-1-114**

**Date** : 05/Jun/2003

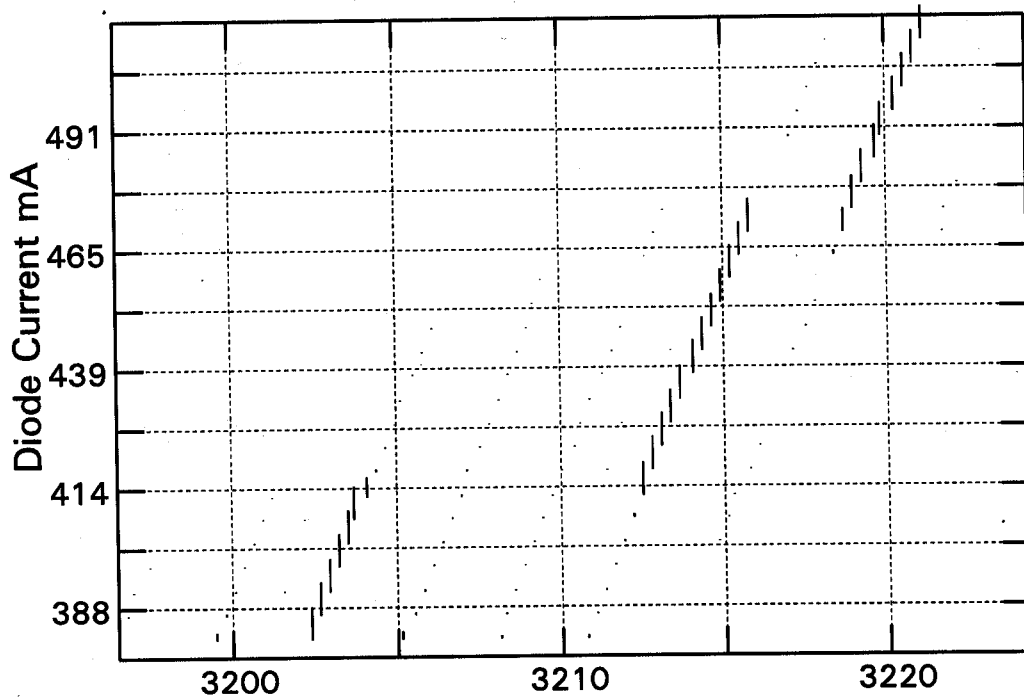
**Operator:** Huber

T / K	threshold current I <sub>th</sub> /mA	wavelength at threshold cm <sup>-1</sup>	maximum current I <sub>m</sub> /mA	maximum total power P <sub>m</sub> /mWatt
78	381	3202	503	0.52
80	390	3213	505	0.45
82	407	3219	499	0.35
84	426	3228	503	0.27

**Definition :**

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

## Modal Distribution



max modal Power %	total Power mWatt
98.29	- 0.5391- L
98.95	- 0.5039
98.69	- 0.4793
97.91	- 0.4964- L
97.42	- 0.4389
93.29	- 0.4067- L
84.19	- 0.4084- L
66.36	- 0.3904- L
58.40	- 0.3951- L
88.78	- 0.3541- L
99.41	- 0.3570
97.89	- 0.3271- L
96.93	- 0.2836- L
97.11	- 0.2685- L
97.80	- 0.2685
97.16	- 0.2357
95.89	- 0.2212- L
94.89	- 0.1930
89.94	- 0.1742- L
58.86	- 0.1556- L
84.42	- 0.1321- L
91.42	- 0.1135- L
91.36	- 0.0914- L
86.63	- 0.0627- L
84.85	- 0.0427
57.90	- 0.0161

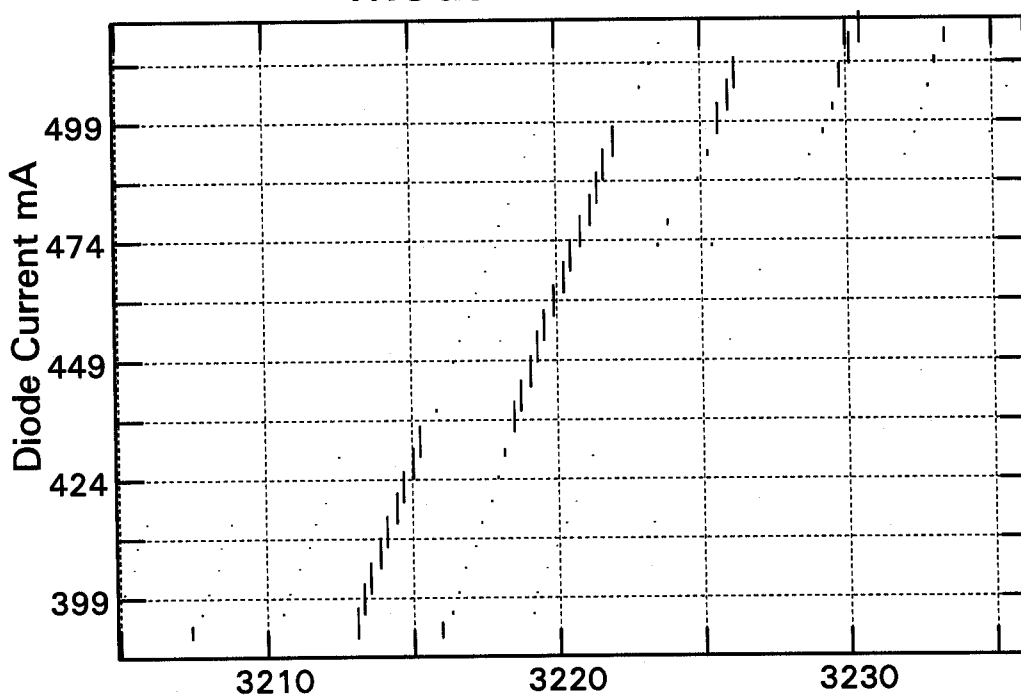
06/05/03

Operator:Huber

Laser: 388-HV-1-114

Temperature: 78.00 K

## Modal Distribution



max modal Power %	total Power mWatt
51.82	- 0.4749- L
53.14	- 0.4354- L
50.76	- 0.4334- L
67.93	- 0.4049- L
46.88	- 0.3919- L
80.21	- 0.3875- L
92.77	- 0.3521- L
99.44	- 0.3405
84.16	- 0.3399- L
85.39	- 0.3126- L
98.58	- 0.3019
99.02	- 0.2946
98.72	- 0.2734
96.84	- 0.2299- L
97.50	- 0.2229
96.70	- 0.2110- L
92.46	- 0.1997
74.26	- 0.1727- L
79.44	- 0.1547- L
91.45	- 0.1402- L
94.87	- 0.1199- L
91.12	- 0.0891- L
93.92	- 0.0856- L
93.92	- 0.0627
89.67	- 0.0441- L
80.75	- 0.0212- L
51.10	- 0.0049

06/05/03

Operator:Huber

Laser: 388-HV-1-114

Temperature: 80.00 K