

# 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.com · Web: www.lasercomponents.com



### Datasheet for Laser Components Leadchalkogenide - Diodelaser

Order Number : .....  
LC Order Number : .....  
Part Number : 03-LI322HV-101  
Customer Name : .....

Lasertype : IR-2035...  
Wavenumber : 1035.....  
Region : cm<sup>-1</sup>.....

Special Conditions : IR-2035-GMP-Premium.  
.....  
.....

Polarity : +  
Housing (groun) : -

Operator : Huber..... Max Operationtemp / K : 86.....  
Serial Number : 322-HV-1-101... Max Diode Current cw / mA : 280.....  
Date : 08/Oct/2003

### Record of Laser No. 322-HV-1-101

Date : 08/Oct/2003

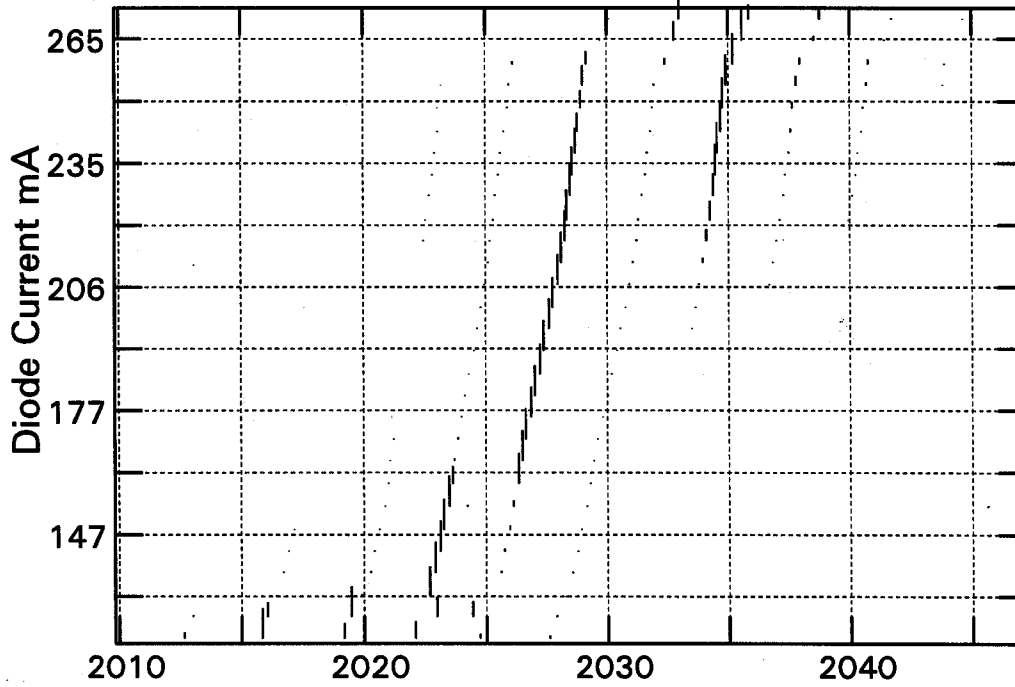
Operator: Huber

T / K	threshold current I <sub>th</sub> /mA	wavenumber at threshold cm <sup>-1</sup>	maximum current I <sub>m</sub> /mA	maximum total power P <sub>m</sub> /mWatt
80	122	2016	253	0.58
82	125	2026	265	0.66
84	125	2031	274	0.81

### Definition :

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

## Modal Distribution



max modal Power %	total Power mWatt
55.52	0.4139
56.17	0.4212
47.52	0.5811
46.75	0.5190
54.03	0.5228
56.78	0.4793
52.04	0.4694
49.46	0.4314
55.44	0.4479
58.84	0.4093
68.78	0.3594
83.34	0.3721
93.55	0.3373
96.57	0.3521
97.23	0.3237
97.68	0.3199
97.53	0.3245
96.89	0.3051
95.95	0.2891-L
94.98	0.2819
91.02	0.2598
62.91	0.2139
81.45	0.1890-L
86.72	0.1509
89.15	0.1338
89.83	0.1062
88.13	0.0682
37.01	0.0392-L
39.92	0.0105-L

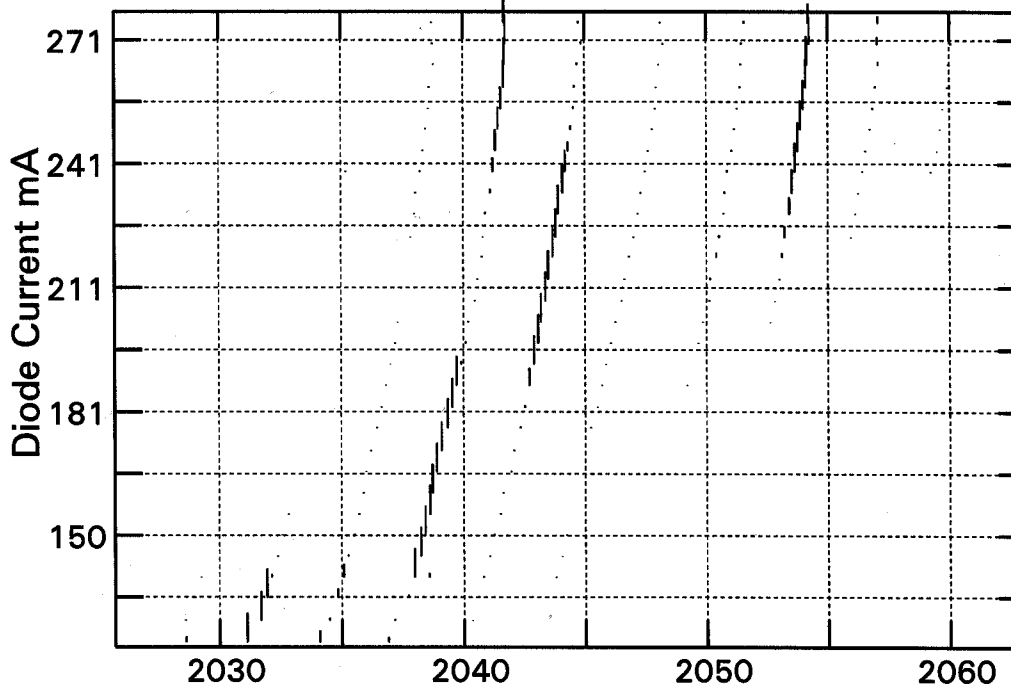
10/08/03

Operator:Huber

Laser: 322-HV-1-101

Temperature: 80.00 K

## Modal Distribution



max modal Power %	total Power mWatt
46.54	0.5753
42.74	0.5422
44.92	0.6096
46.49	0.5553
51.81	0.5791
50.12	0.4682
46.15	0.5089
42.56	0.4645
48.73	0.3864
59.38	0.4122
66.31	0.3373
76.20	0.3173
90.11	0.3158
94.58	0.3028
94.37	0.2993
93.24	0.2793
89.61	0.2775
60.76	0.2520
93.07	0.2360
95.29	0.2302
96.85	0.2473
97.43	0.2148
97.41	0.1756
96.52	0.1687
94.70	0.1396
92.29	0.1179
57.71	0.0845-L
69.61	0.0659
86.32	0.0372-L
58.06	0.0054-L

10/08/03

Operator:Huber

Laser: 322-HV-1-101

Temperature: 84.00 K