

# LASER COMPONENTS GmbH

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Datasheet for Laser Components Leadchalkogenide - Diodelaser

Order Number : .....  
LC Order Number : .....  
Part Number : 03-LI393HV-28  
Customer Name : .....

Lasertype : IR-2680...  
Wavenumber : 2680.....  
Region : cm<sup>-1</sup>.....

Special Conditions : IR-2680-GMP-Premium.  
.....

Polarity : +  
Housing : -  
(groun)

Operator : Huber.....      Max Operationtemp / K : 94.....  
Serial Number : 393-HV-1-28.....      Max Diode Current cw / mA : 1070...  
Date : 07/Jan/2004

**Record of Laser No. 393-HV-1-28**

Date : 07/Jan/2004

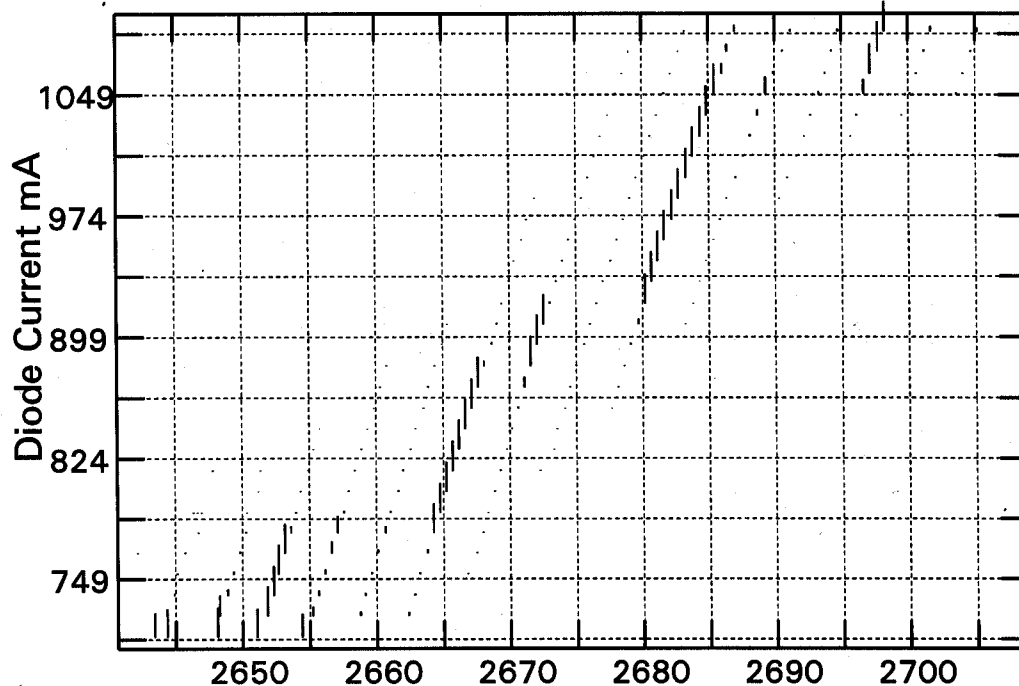
Operator: Huber

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
90	748	2663	1157	0.39
92	793	2674	1081	0.23
94	863	2695	1019	0.08

**Definition :**

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

## Modal Distribution



max modal Power %	total Power mWatt
62.55	0.5405
69.93	0.4465
65.51	0.4340
45.96	0.4299
78.74	0.4151
92.03	0.3913
94.24	0.4020
96.01	0.3721
95.82	0.3591
96.35	0.3515
96.19	0.3289
95.67	0.3283
94.90	0.3080
91.27	0.2801
80.84	0.2627
90.89	0.2401
83.13	0.2267
72.19	0.2070
92.22	0.1959
93.72	0.1756
94.48	0.1617
92.19	0.1399-L
91.42	0.1237
83.25	0.1025-L
47.18	0.0856-L
58.24	0.0673-L
72.00	0.0508-L
66.31	0.0321
38.54	0.0171-L
22.70	0.0078-L

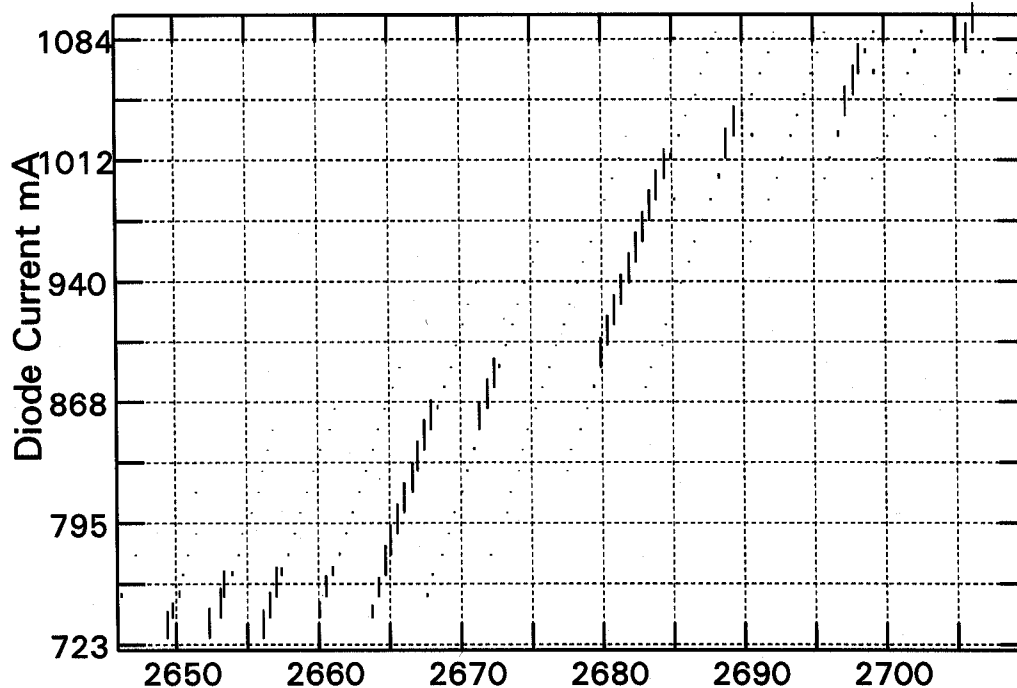
01/07/04

Operator:Huber

Laser: 393-HV-1-28

Temperature: 88.00 K

## Modal Distribution



max modal Power %	total Power mWatt
86.28	0.4369
74.11	0.4067-L
70.50	0.3576-L
88.78	0.3446
86.73	0.3623
71.11	0.3301-L
80.13	0.3353
82.12	0.3280
88.62	0.3071-L
95.64	0.2964
96.52	0.2888
97.18	0.2763
96.75	0.2584
96.63	0.2705
95.69	0.2366
94.50	0.2325
87.95	0.2166
86.74	0.1872
86.69	0.1765
48.84	0.1559-L
88.65	0.1414-L
92.06	0.1269-L
92.30	0.1152-L
91.32	0.0914-L
89.00	0.0807-L
80.29	0.0642-L
56.07	0.0427-L
27.56	0.0265-L
27.57	0.0130-L
35.17	0.0063-L

01/07/04

Operator:Huber

Laser: 393-HV-1-28

Temperature: 89.00 K