

LASER COMPONENTS GmbH

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Datasheet for Laser Components Leadchalkogenide - Diodelaser

Order Number :
LC Order Number :
Part Number : 03-LI390HV-209
Customer Name :

Lasertype : IR-2965...
Wavenumber : 2965,.....
Region : cm⁻¹.....

Special Conditions : IR-2965-GMP-Premium.
-Plus.....
.....

Polarity : +
Housing : -
(groun)

Operator : Huber..... Max Operationtemp / K : 100....
Serial Number : 390-HV-1-209... Max Diode Current cw / mA : 340....
Date : 29/Oct/2003

Record of Laser No. 390-HV-1-209

Date : 29/Oct/2003

Operator: Huber

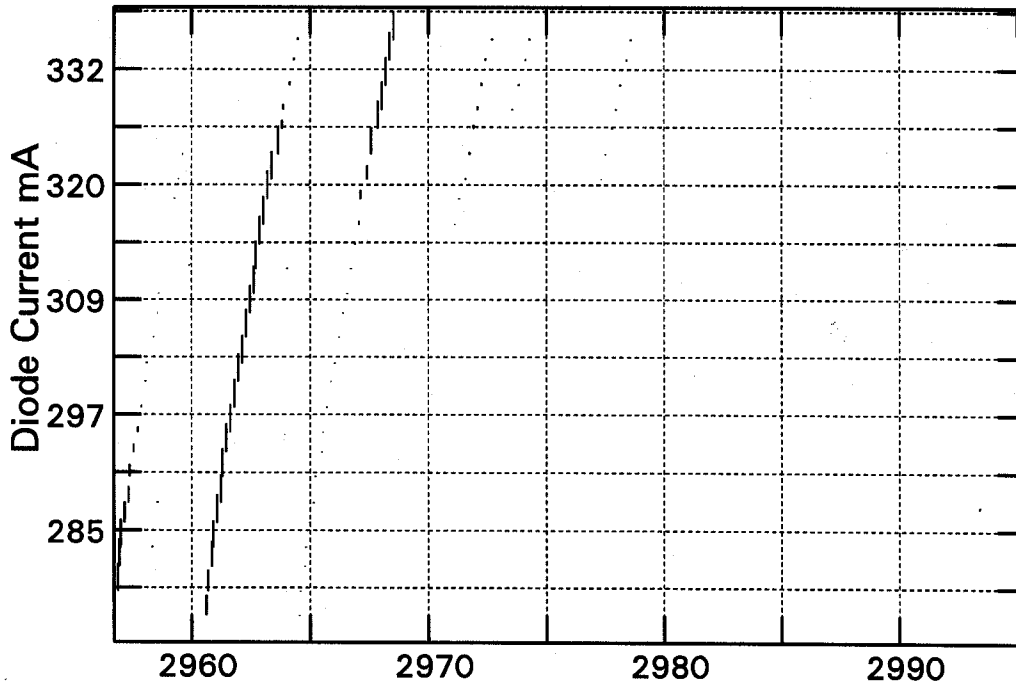
T / K	threshold current I _{th} /mA	wavenumber at threshold cm ⁻¹	maximum current I _m /mA	maximum total power P _m /mWatt
96	276	2956	318	0.92
97	286	2962	321	0.93
98	295	2968	309	1.08
99	304	2974	328	1.15

Definition :

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



Modal Distribution



max modal Power %	total Power mWatt
85.85	- 0.8395- L
84.82	- 0.8862- L
80.41	- 0.8964- L
74.82	- 0.8529- L
69.59	- 0.8584
48.45	- 0.9080
65.67	- 0.8685
75.60	- 0.9077
88.70	- 0.8859
95.77	- 0.8523
95.41	- 0.8331- L
98.46	- 0.7887
98.72	- 0.7794
98.75	- 0.7431
98.26	- 0.7634
97.26	- 0.7103
94.40	- 0.6868
84.33	- 0.6851
77.52	- 0.6241
69.88	- 0.6029
61.90	- 0.5791- L
57.05	- 0.5472
50.27	- 0.5277- L
52.30	- 0.5240
56.17	- 0.4862
57.21	- 0.4229

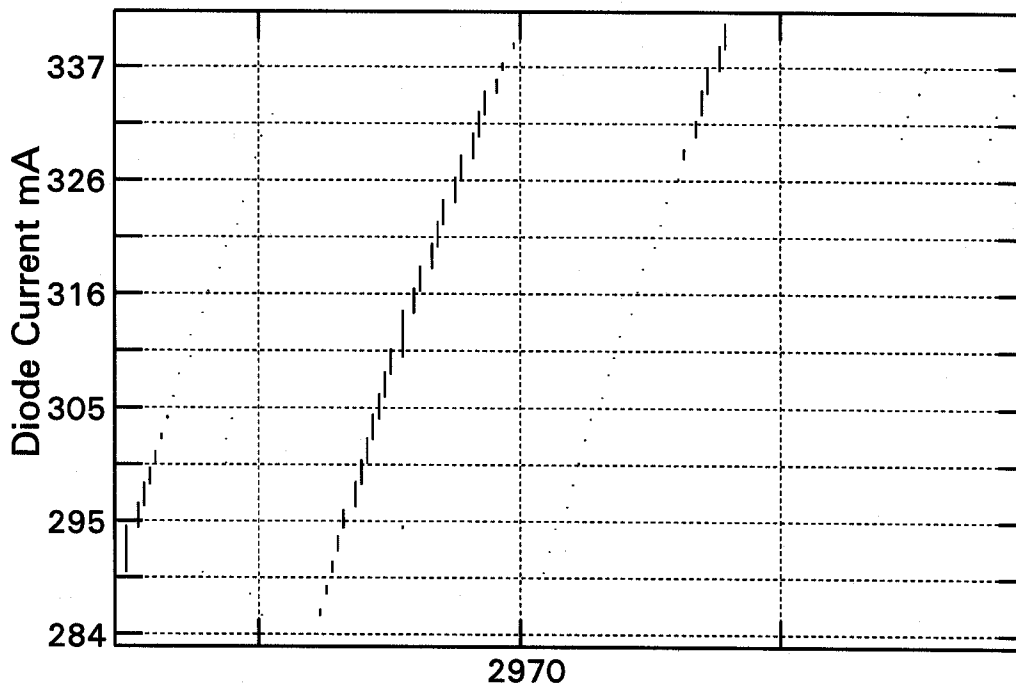
10/29/03

Operator:Huber

Laser: 390-HV-1-209

Temperature: 96.00 K

Modal Distribution



max modal Power %	total Power mWatt
76.65	- 0.7797- L
71.70	- 0.7916- L
61.34	- 0.8244- L
49.52	- 0.8392- L
58.94	- 0.8203- L
70.40	- 0.8813- L
90.37	- 0.8723
96.78	- 0.9036
97.71	- 0.8378
98.15	- 0.8717
98.30	- 0.8534
98.17	- 0.8578
98.14	- 0.8322
97.87	- 0.7611
97.21	- 0.7983
96.51	- 0.7446
94.90	- 0.7449
89.86	- 0.7135- L
80.57	- 0.7074- L
66.68	- 0.6433- L
59.22	- 0.6511
50.92	- 0.6076
54.02	- 0.5997- L
62.46	- 0.5870
68.35	- 0.5501- L
73.93	- 0.5080- L
78.41	- 0.4952- L

10/29/03

Operator:Huber

Laser: 390-HV-1-209

Temperature: 97.00 K