

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-Li325HV-62
 Customer Name :

Lasertype : IR-1580...
 Wavenumber : 1580,.....
 Region : cm⁻¹.....

Special Conditions : IR-1580-GMP-Premium.
 :
 :

Polarity : +
 Housing (groun) : -

Operator : Huber..... Max Operationtemp / K : 102....
 Serial Number : 325-HV-1-62.... Max Diode Current cw / mA : 760....
 Date : 08/Jan/2004

Record of Laser No. 325-HV-1-62

Date : 08/Jan/2004

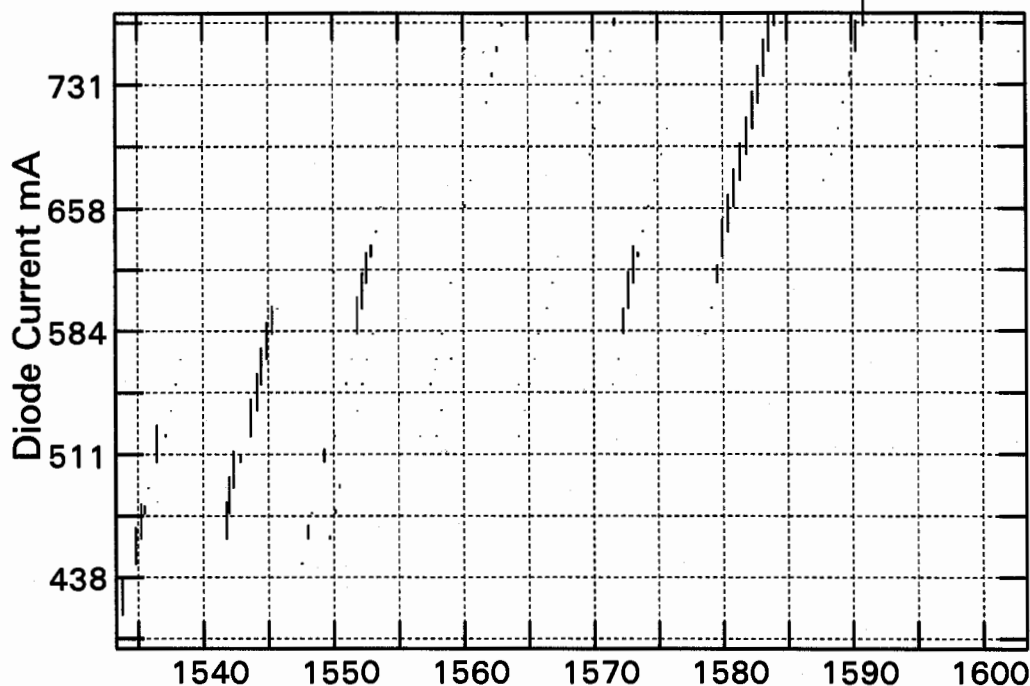
Operator: Huber

T / K	threshold current I _{th} /mA	wavenumber at threshold cm ⁻¹	maximum current I _m /mA	maximum total power P _m /mWatt
100	328	1525	763	0.53
101	330	1525	763	0.67
102	331	1533	763	0.67

Definition :

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

Modal Distribution



max modal Power %	total Power mWatt
62.60	0.9193
49.33	0.5283
80.52	0.5405
89.84	0.5138
95.19	0.4630
97.30	0.4276
97.06	0.4334
92.45	0.4029
93.07	0.3028
69.13	0.3463
42.64	0.3811
49.11	0.3614
39.92	0.2357- L
89.84	0.2076
79.20	0.0967- L
94.39	0.1974
89.93	0.1341
65.46	0.0409
91.05	0.0900
73.86	0.0778
41.66	0.0383
95.95	0.0344- L
100.00	0.0748
100.00	0.0684

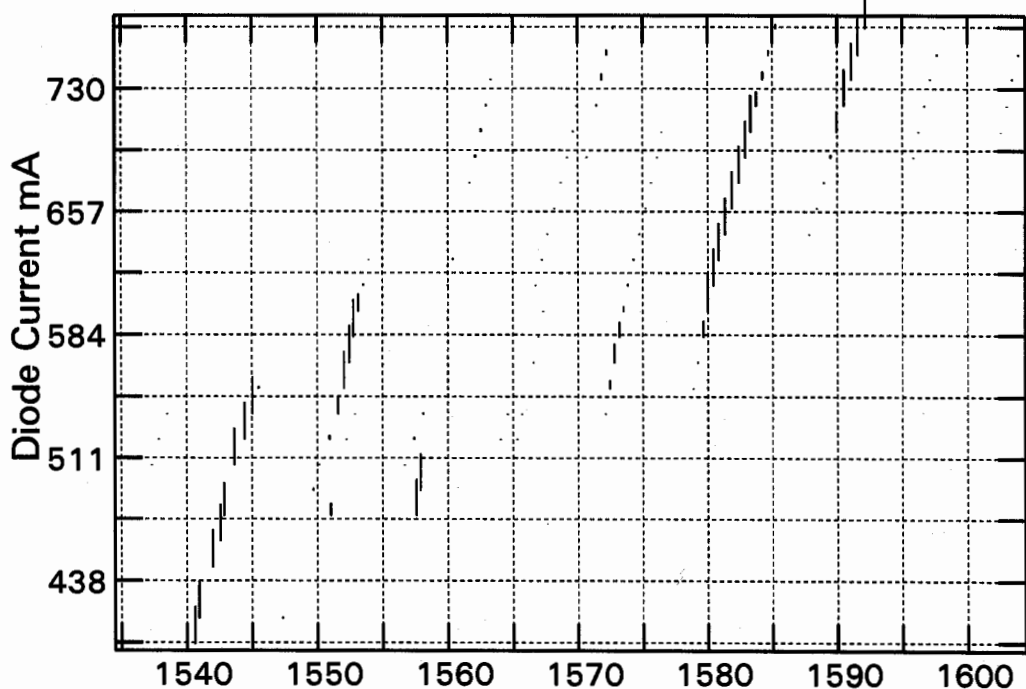
01/08/04

Operator: Huber

Laser: 325-HV-1-62

Temperature: 101.00 K

Modal Distribution



max modal Power %	total Power mWatt
83.66	0.9585
76.31	0.6343
69.13	0.5550
64.51	0.5663
59.04	0.5312
83.84	0.5283
94.77	0.4883
96.94	0.3695
97.09	0.3126
90.31	0.3449
89.56	0.2824
62.95	0.2691
53.94	0.2926
64.35	0.2705
77.69	0.2293
66.77	0.1800
82.13	0.1062- L
95.69	0.1118- L
94.82	0.0097
44.61	0.0233
100.00	0.0629
100.00	0.0622
74.47	0.0377
100.00	0.0149

01/08/04

Operator: Huber

Laser: 325-HV-1-62

Temperature: 102.00 K