

LASER COMPONENTS GmbH

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Datasheet for Laser Components Leadchalkogenide - Diodelaser

Order Number :
LC Order Number :
Part Number : 03-LI444HV-132
Customer Name :

Lasertype : IR-2970...
Wavenumber : 2970,.....
Region : cm⁻¹.....

Special Conditions : IR-2970-GMP-WM.....
.....

Polarity : +
Housing (groun) : -

Operator : Huber..... Max Operationtemp / K : 99.....
Serial Number : 444-HV-1-132... Max Diode Current cw / mA : 400....
Date : 30/Oct/2003

Record of Laser No. 444-HV-1-132

Date : 30/Oct/2003

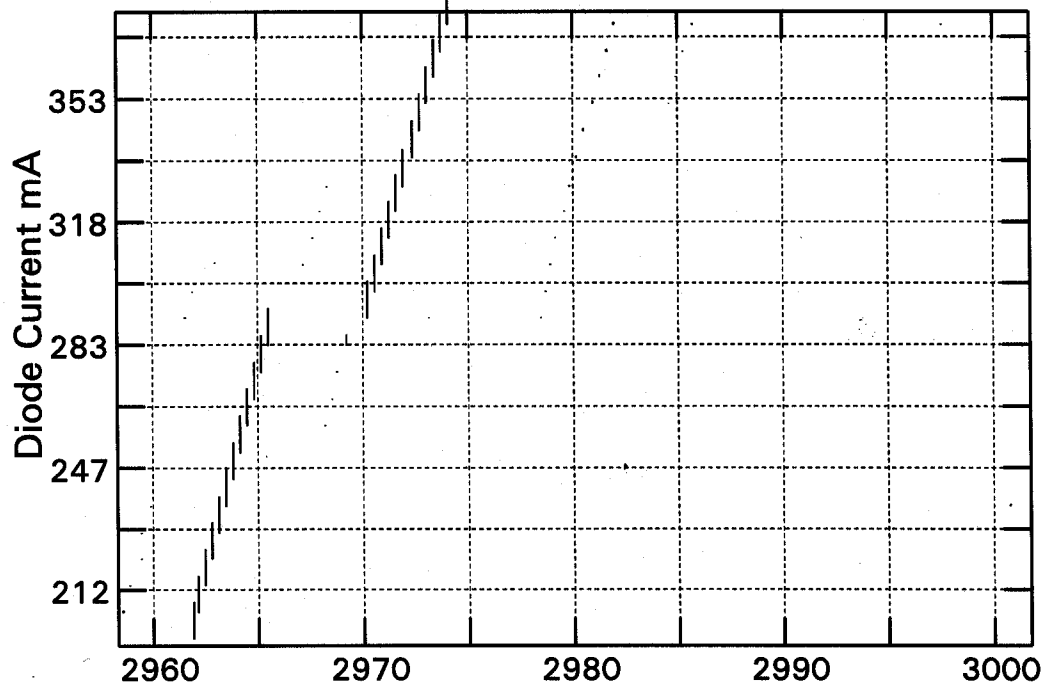
Operator: Huber

T / K	threshold current I _{th} /mA	wavenumber at threshold cm ⁻¹	maximum current I _m /mA	maximum total power P _m /mWatt
96	198	2931	387	0.17
97	200	2963	383	0.16
98	202	2964	386	0.16
99	205	2965	387	0.16

Definition :

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

Modal Distribution



max modal Power %	total Power mWatt
91.34	0.1501
92.09	0.1496
93.32	0.1413
93.53	0.1344
94.20	0.1329
95.97	0.1172
97.00	0.1114
97.71	0.1084
98.05	0.0985
96.74	0.0980
93.61	0.0866- L
73.11	0.0856- L
77.49	0.0821
97.26	0.0705
99.04	0.0661
99.41	0.0616
100.00	0.0553
100.00	0.0485
99.41	0.0424- L
99.14	0.0359- L
99.05	0.0291
98.21	0.0233
95.17	0.0164
60.45	0.0088

10/30/03

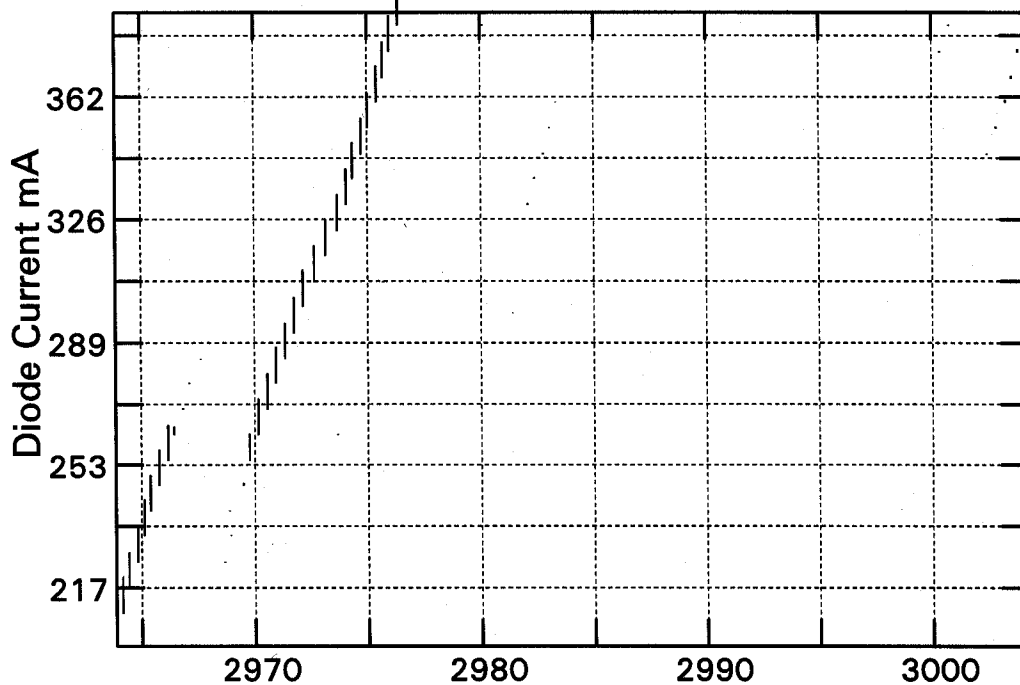
Mode position in cm-1

Operator:Huber

Laser: 444-HV-1-132

Temperature: 96.00 K

Modal Distribution



max modal Power %	total Power mWatt
92.05	0.1486
93.29	0.1457
94.21	0.1338
94.66	0.1301
95.33	0.1230
96.10	0.1170
97.39	0.1164
98.36	0.1077
100.00	0.1103
100.00	0.1024
99.23	0.1007
100.00	0.0903
100.00	0.0901
99.43	0.0850
98.99	0.0749
97.35	0.0688
81.41	0.0630- L
57.12	0.0554
94.25	0.0480
98.15	0.0395
98.92	0.0331
99.05	0.0287
99.00	0.0206- L
100.00	0.0155
100.00	0.0085

10/30/03

Mode position in cm-1

Operator:Huber

Laser: 444-HV-1-132

Temperature: 98.00 K