

# LASER COMPONENTS GmbH

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**LASER  
COMPONENTS**

**Datasheet for Laser Components Leadchalkogenide - Diodelaser**

Order Number : .....  
 LC Order Number : .....  
 Part Number : 03-Li379HV-6..  
 Customer Name : .....

Lasertype : IR-2940...  
 Wavenumber : 2940,.....  
 Region : cm<sup>-1</sup>.....

Special Conditions : IR-2940-GMP-Premium.  
 -Plus.....  
 .....

Polarity : +  
 Housing (groun) : -

Operator : Huber.....  
 Serial Number : 379-HV-1-6.....  
 Date : 26/Jan/2004  
 Max Operationtemp / K : 91.....  
 Max Diode Current cw / mA : 420.....

**Record of Laser No. 379-HV-1-6**

Date : 26/Jan/2004

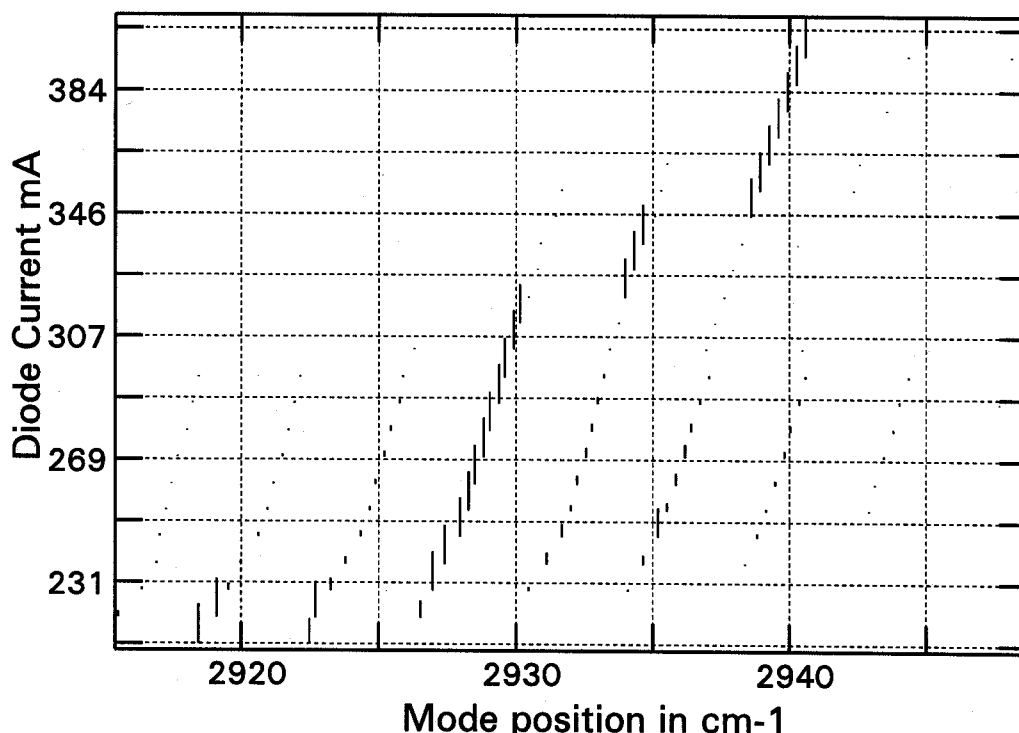
Operator: Huber

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>h</sub> /mWatt
88	211	2911	410	1.85
89	214	2923	413	1.80
90	221	2928	413	1.64
91	230	2929	411	1.52

**Definition :**

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

## Modal Distribution



max modal Power %	total Power mWatt
96.10	1.6958
97.72	1.6593
100.00	1.5635
99.44	1.5359
100.00	1.3936
98.93	1.3803- L
98.15	1.2662
98.06	1.2061
98.40	1.1756
98.39	1.0189
98.02	0.9698
98.11	0.8990
96.55	0.8131- L
80.13	0.7039
64.91	0.6160- L
55.24	0.5678
50.66	0.4781
55.71	0.3878
65.16	0.2891- L
41.59	0.2229
53.93	0.1649- L
60.69	0.1152- L
39.99	0.0682
46.75	0.0138- L

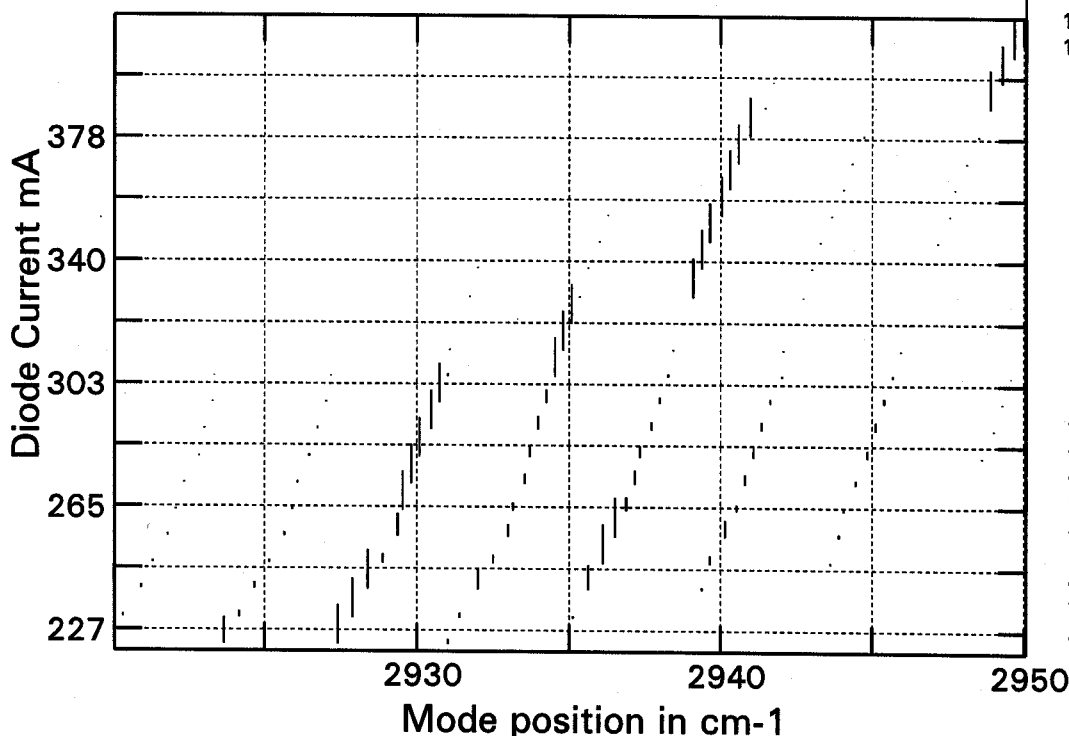
01/26/04

Operator:Huber

Laser: 379-HV-1-6

Temperature: 88.00 K

## Modal Distribution



max modal Power %	total Power mWatt
100.00	1.8537
100.00	1.6087
99.40	1.5603
98.51	1.4752
97.94	1.3986
98.31	1.4317
98.60	1.2912
98.18	1.2633
98.02	1.1336
97.87	1.0613
97.11	0.9626
96.05	0.9121
95.75	0.8540
80.15	0.7547- L
55.68	0.6801
49.21	0.5695
47.58	0.4737
49.44	0.3968
55.33	0.3251
39.31	0.2485
57.05	0.1800
40.67	0.1414
72.21	0.0952
47.36	0.0464

01/26/04

Operator:Huber

Laser: 379-HV-1-6

Temperature: 89.00 K