

ROITHNER LASERTECHNIK

A-1040 WIEN, FLEISCHMANNGASSE 9

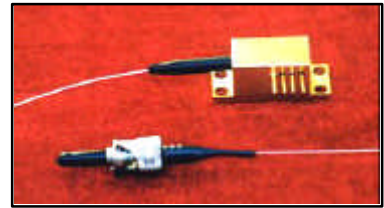
TEL: +43 -1- 586 52 43 FAX: +43 -1- 586 41 43

e-mail: office@roithner-laser.com <http://www.roithner-laser.com>

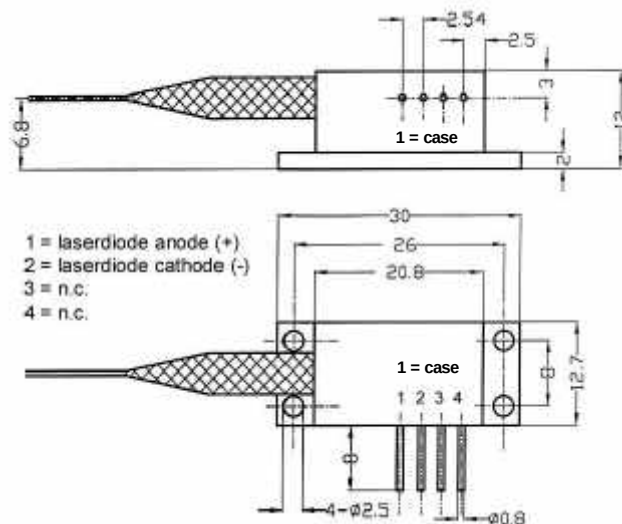
HTL81S-600

HTL81S-750

HTL81S-1000



HIGH POWER FIBER COUPLED LASERDIODE



Dimensions in mm

CHARACTERISTIC	HTL81S-600	HTL81S-750	HTL81S-1
Output Power cw	600 mW	750 mW	1.5 W
Spectral Width (FWHM)	< 4 nm	< 4 nm	< 4 nm
Working Temperature	-40 ... + 70 °C	-40 ... + 70 °C	-40 ... + 70 °C
Expected Lifetime	5.000 -10.000 h	5.000 -10.000 h	5.000 -10.000 h
Wavelength Temp. Coefficient	0.3 nm/K	0.3 nm/K	0.3 nm/K
Center Wavelength (FWHM)	810 nm ± 10 nm	810 nm ± 10 nm	810 nm ± 10 nm
Threshold Current	250 mA	250 mA	500 mA
Operating Current	1250 mA	1250 mA	2500 mA
Operating Voltage	< 2 V	< 2 V	< 2 V
Slope Efficiency	> 0.6 W/A	> 0.75 W/A	> 0.75 W/A
Series Resistance	< 0.2 Ω	< 0.2 Ω	< 0.2 Ω
Fiber Core Size	50 μm	100 μm	100 μm
N.A. (optional)	0.22	0.22 (0.12)	0.22
Fiber Length (optional)	1 m (2 m)	1 m (2 m)	1 m (2 m)
Connector Type Available	FC / ST / SMA-905	FC / ST / SMA-905	FC / ST / SMA-905

Applications:

- Laser pumping
- Medical
- Printing
- Heating
- Material processing
- Marking



NOTE!
LASERDIODE
MUST BE COOLED!