

ROITHNER LASERTECHNIK

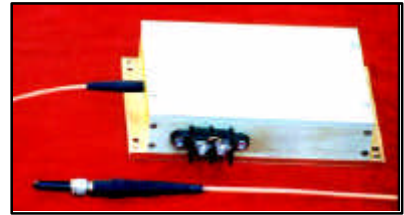
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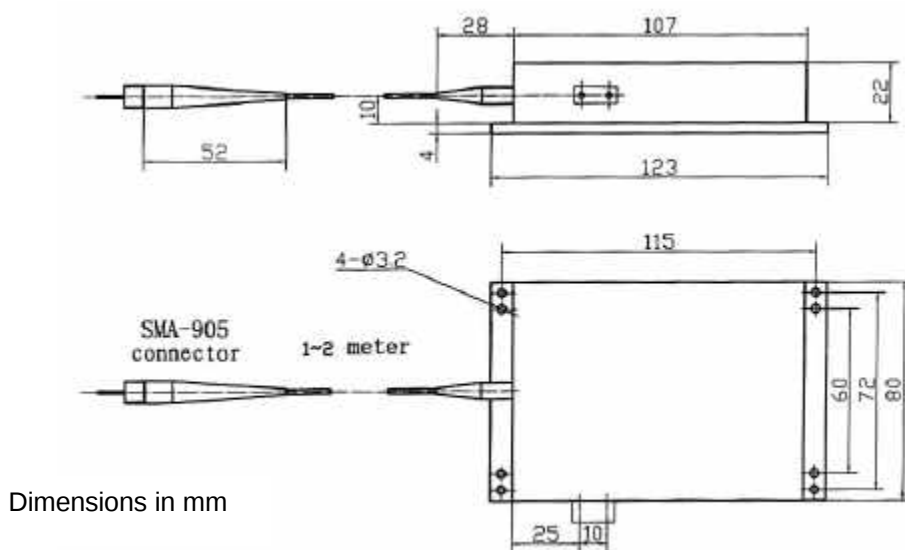
e-mail: office@roithner-laser.com <http://www.roithner-laser.com>

HTL81M-5

HTL81M-10



HIGH POWER FIBER COUPLED LASERDIODE



Dimensions in mm

CHARACTERISTIC	HTL81M-5	HTL81M-10
Output Power cw	5 W	10 W
Spectral Width (FWHM)	< 4 nm	< 4 nm
Working Temperature	-40 ... +70 °C	-40 ... +70 °C
Expected Lifetime	5.000 -10.000 h	5.000 -10.000 h
Wavelength Temp. Coefficient	0.3 nm/K	0.3 nm/K
Center Wavelength (FWHM)	810 nm ± 10 nm	810 nm ± 10 nm
Threshold Current	250 mA	500 mA
Operating Current	1200 mA	2500 mA
Operating Voltage	< 14 V	< 14 V
Slope Efficiency	> 5 W/A	> 5 W/A
Series Resistance	< 1.4 Ω	< 1.4 Ω
Fiber Core Size	400 µm	400 µm
N.A.	0.22 (0.12)	0.22
Fiber Length	1 m (2 m)	1 m (2 m)
Connector Type Available	ST / SMA-905	ST / SMA-905

Applications:

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



NOTE!
LASERDIODE
MUST BE COOLED!