

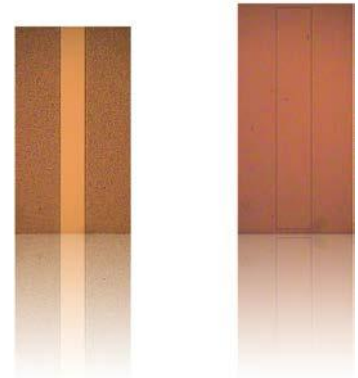
## Diode Laser Unmounted Single Emitters and Bars

### 980nm 500mW Unmounted Single Emitter

Semiconductor lasers are the centerpiece of most of today's industrial laser systems. Whether direct material processing or optical pumping of solid-state lasers, fiber lasers or disc lasers, the unmounted single emitters and bars are the key component for the initial conversion of electrical energy into light.

HTOE has been focusing on the semiconductor wafer technology from 1998, delivers the multimode high power at wavelengths between 635 and 1064nm.

- High Power multimode unmounted bars up to 40W CW and 200W QCW output
- Unmounted single emitters up to 2W CW Power
- Available wavelengths include 635nm, 650nm, 808nm, 980nm and 1064nm



### Parameters ( 25°C )

Parameter		Unit	CLDM-0980-0500-02
Optical Parameter	Output Power $P_o$	mW	500
	Center Wavelength $\lambda_c$	nm	980±10
	Beam Divergence $\theta_{\perp} \times \theta_{//}$	deg	35x7
	COD	W	≥1.00
Geometrical	Emitter Width	μm	50
	Width	μm	500
	Cavity Length	μm	600
Electrical Parameter	Slope Efficiency $E_s$	W/A	≥ 0.90
	Threshold Current $I_{th}$	A	≤ 0.15
	Operating Current $I_f$	A	≤0.70
	Operating Voltage $V_f$	V	≤ 2.00



## Notice

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1. Item notice: CLDM( item model)-\*\*\*\*( center wavelength)-\*\*\*\*( output power)-02.
2. Data sheet is based on the result of testing under 25°C.
3. Data sheet is based on the C-Mount package testing.
4. For more information, please contact Hi-Tech Optoelectronics Co., Ltd.

