

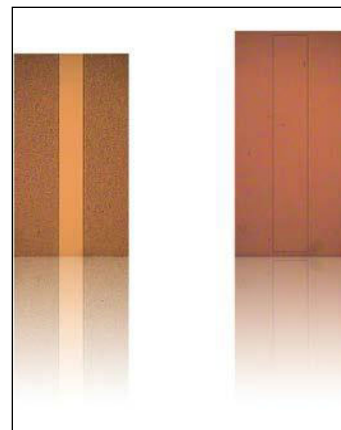
## 808nm 1W Unmounted Single Emitter

Part number: STHT-CLDM-0808-1000-02

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.

We have 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



Specifications:

Parameter		Unit	STHT-CLDM-0808-1000-02
Optical Parameter	Output Power $P_o$	mW	1000
	Center Wavelength $\lambda_c$	nm	$808 \pm 5$
	Beam Divergence $\theta_{\perp} \times \theta_{\parallel}$	deg	38x10
	COD	W	$\geq 2.00$
Geometrical	Emitter Width	$\mu\text{m}$	100
	Width	$\mu\text{m}$	500
	Cavity Length	$\mu\text{m}$	900
Electrical Parameter	Slope Efficiency $E_s$	W/A	$\geq 1.1$
	Threshold Current $I_{th}$	A	$\leq 0.24$
	Operating Current $I_f$	A	$\leq 1.20$
	Operating Voltage $V_f$	V	$\leq 2.00$

Notice

1. Item notice: STHT-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 us.