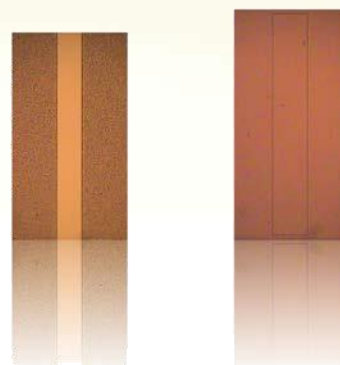


980nm 500mW Chip

Introduction

980nm laser diode is packaged on standard C-Mount heat sink, or better heat sink ones, which also can be adopted in Medical Illumination, Target Indication, Laser Show, Scientific Research.



Parameters (25°C)

980nm 500W Chip			
Parameter		Unit	CLDM-0980-500m
Optical Parameter	Output Power P_o	mW	500
	Center Wavelength λ_c	nm	980±10
	Beam Divergence $\theta_{\perp} \times \theta_{\parallel}$	deg	24x8
	COD	W	≥1.00
Chip Size	Emitting Area	μm	40
	Period	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	≤ 2.20





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Notice

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



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