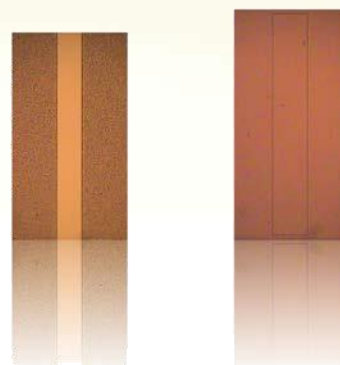


# 635nm Chip

## Introduction

635nm 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 (20°C)

Parameter		Unit	CLDM-0635-500m
Optical Parameter	Output Power $P_o$	mW	500
	Center Wavelength $\lambda_c$	nm	$635 \pm 5$
	Beam Divergence $\theta_{\perp} \times \theta_{//}$	deg	40x10
	COD	W	$\geq 1.00$
Chip Size	Emitting Area	$\mu\text{m}$	100
	Period	$\mu\text{m}$	500
	Cavity Length	$\mu\text{m}$	1000
Electrical Parameter	Slope Efficiency $E_s$	W/A	$\geq 0.90$
	Threshold Current $I_{th}$	A	$\leq 0.85$
	Operating Current $I_f$	A	$\leq 1.35$
	Operating Voltage $V_f$	V	$\leq 2.30$





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## Notice

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1. Item notice: CLDM( item model)-\*\*\*\*( center wavelength)-\*\*\*\*( output power)
2. Data sheet is basis on the result of under 20°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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