

# 976nm 8W Single Diode Laser

## Applications

- Medical illumination
- Target Indication
- Laser Show
- Stage Lighting

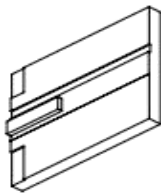
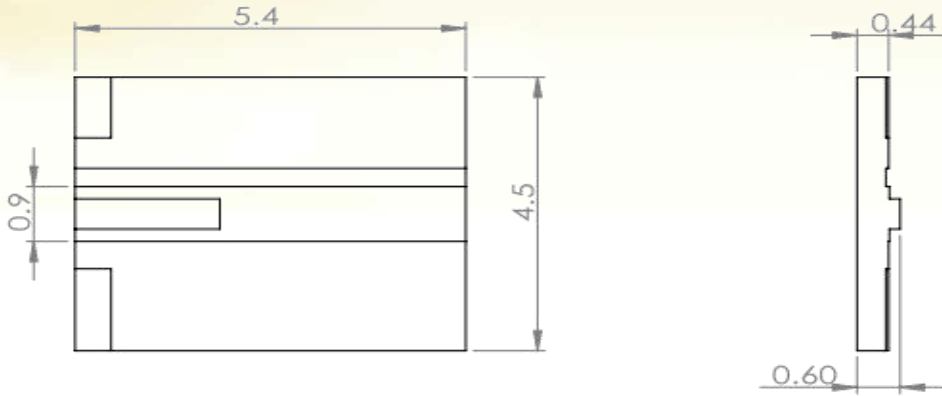


## Parameters (20°C)

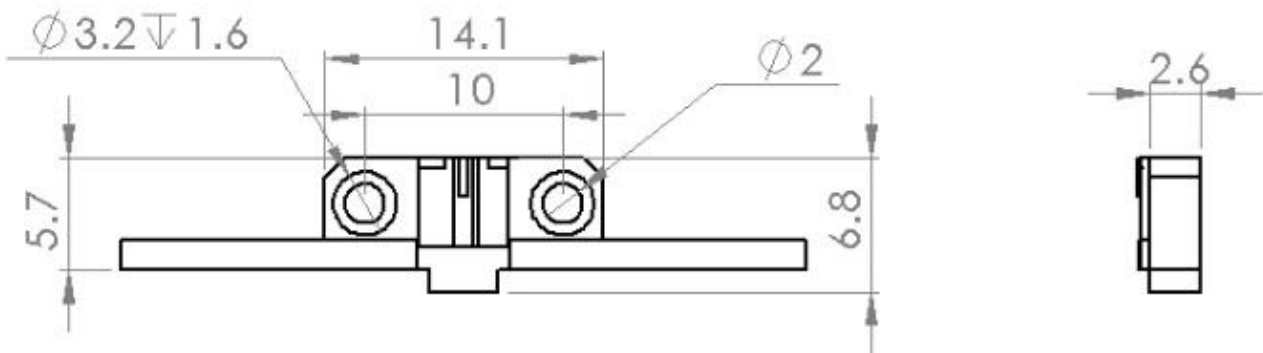
COS/F Package Single Laser Diode			
Parameter		Unit	LDMC-0976-008W-*3
Optical Parameter	Output power	W	8
	Lasing Wavelength	nm	976±10
	Spectral Width	nm	≤5
	Emitting Area width	μm	100
	Temperature Coefficient	nm/°C	0.30
	Fast Axis Divergence	deg	<40
	Slow Axis Divergence	deg	<10
Electrical Parameter	Slope Efficiency	W/A	≥1.00
	Threshold Current	A	≤1.80
	Operating Current	A	≤10.0
	Operating Voltage	V	<2.00
Others	Package	-	COS/F Package
	Operating Temperature	°C	15 ~ 30
	Storage Temperature	°C	-40 ~ 60



## Package Information



COS Package



F Package





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## Notice

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1. Item model notice: LDM(Item model),\*\*\*\*( Center wavelength),\*\*\*\*(Output power), \*\*(Heat sink structure and item width).
2. Data in the sheet are all basis on C-mount package heat sink testing.
3. For more information, please contact Hi-Tech Optoelectronics Co., Ltd.



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