

# 808nm 1W Single Diode Laser(AuSn)

## Applications

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

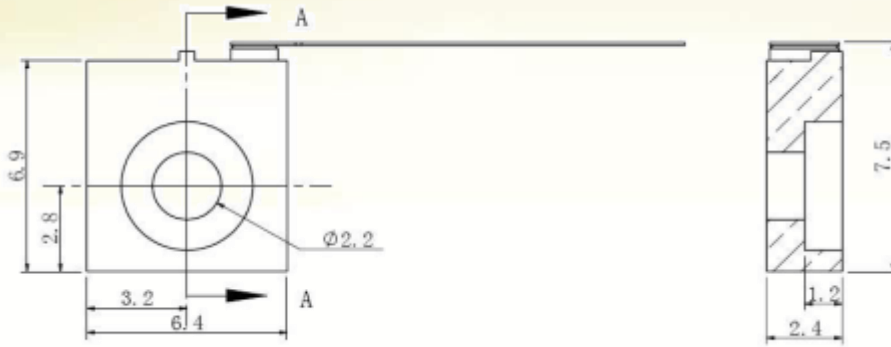


## Parameters (20°C)

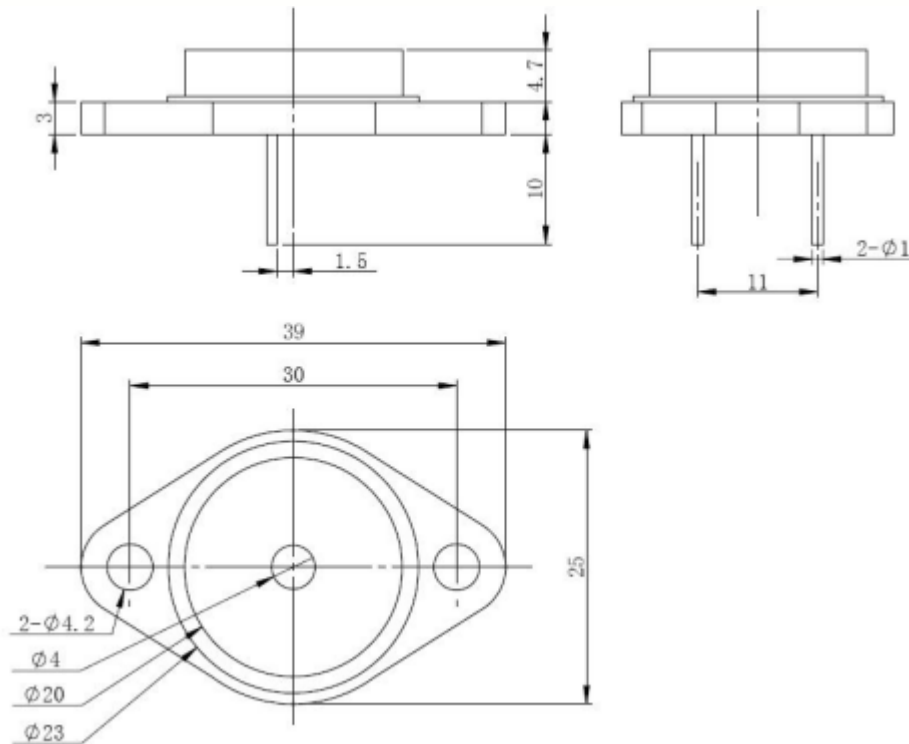
C-Mount/TO3 Single Diode Laser (AuSn)					
Item	Parameter	Unit	LDM-0808-001W-*3		
			Min.	Typical	Max.
Optical Parameter	Output power	W	-	1	-
	Lasing Wavelength	nm	803	808	813
	Spectral Width	nm	-	1.8	3.0
	Emitting Area width	μm	-	100	-
	Temperature Coefficient	nm/°C	-	0.30	-
	Fast Axis Divergence	deg	-	34	38
	Slow Axis Divergence	deg	-	7	10
Electrical Parameter	Slope Efficiency	W/A	1.10	-	-
	Threshold Current	A	-	0.23	0.35
	Operating Current	A	-	1.15	1.24
	Operating Voltage	V	-	1.85	2.00
Others	Package	-	C-Mount/TO3		
	Operating Temperature	°C	10 ~ 50		
	Storage Temperature	°C	-10 ~ 60		



## Package Information



### C-Mount Package



### T03 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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