

Diode Laser Packaged Single Emitters

808nm 7W (ms pulse)

LDM series packaged single emitters are Fabry-Perot cavity semiconductor lasers based on Quantum-well epitaxy and ridge waveguide structure design. HTOE packaged single emitters provide excellent reliability and performance.

- Center wavelength includes 635nm, 650nm, 670nm, 785nm, 808nm, 830nm, 9xxnm and 1064 nm
- Package designs include TO mounts, CoS mounts, C-mounts and F-mounts
- Provide beam shaping services like fast-axis compression according to customer demands

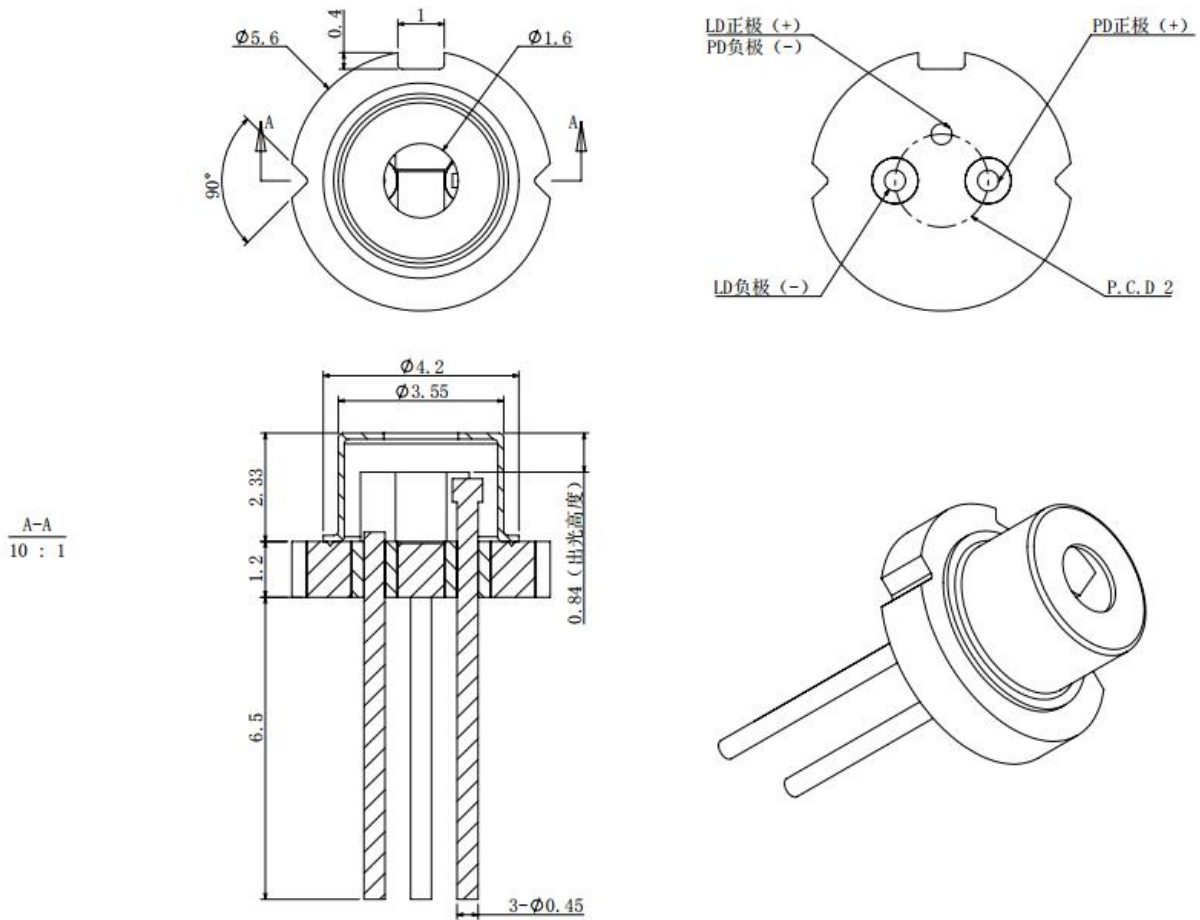


Parameters (20℃)

TOØ56 Packaged Single Emitter					
Item	Parameter	Unit	LDMP-0808-007W-*5		
			Min.	Typical	Max.
Optical Parameter	Output power	mW	-	7 (ms pulse)	-
	Lasing Wavelength	nm	-	808	-
	Spectral Width	nm	-	1.80	3.00
	Emitting Area width	µm	-	200	-
	Temperature Coefficient	nm/°C	-	0.3	-
	Fast Axis Divergence	deg (cw-5w)	-	45	50
	Slow Axis Divergence	deg (cw-5w)	-	5	10
	Pulse Width	ms	0	10	-
	Pulse Frequency	Hz	0	10	-
Electrical Parameter	Slope Efficiency	W/A	0.95	1.00	-
	Threshold Current	A	-	0.50	1.00
	Operating Current	A	-	7.20	7.80
	Operating Voltage	V	-	2.6	3.00
Others	Package	-	TOØ56		
	Operating Temperature	°C	10 ~ 50		
	Storage Temperature	°C	-10 ~ 60		

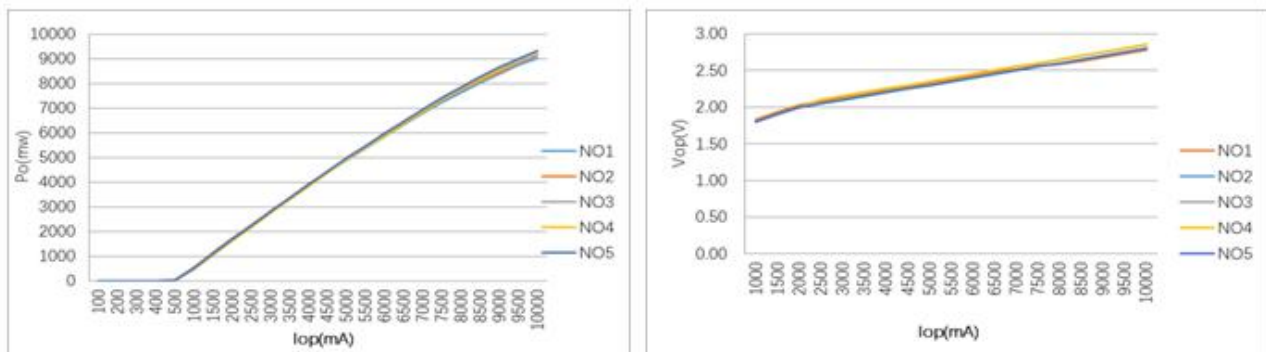


Package Information



TO056 Package

Function Curve



P-I-V Curve



Notice

1. Item model notice: LDMP (Item model), **** (Center wavelength), **** (Output power), ** (Heat sink structure and item width).
2. Data in the sheet are all based on TO $\emptyset$ 56 (socket, capless) package testing under 10ms 10Hz pulse condition.
3. For more information, please contact Hi-Tech Optoelectronics Co., Ltd.

