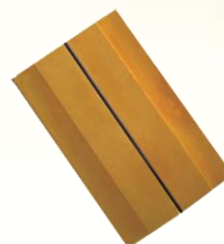


# 808nm Golden Bullet Serial ( QCW )

## Introduction

808nm golden bullet serial array,, which can achieve consecutive or quasi-continuous high power output, is widely applied in laser pumping, cutting and medical,etc.

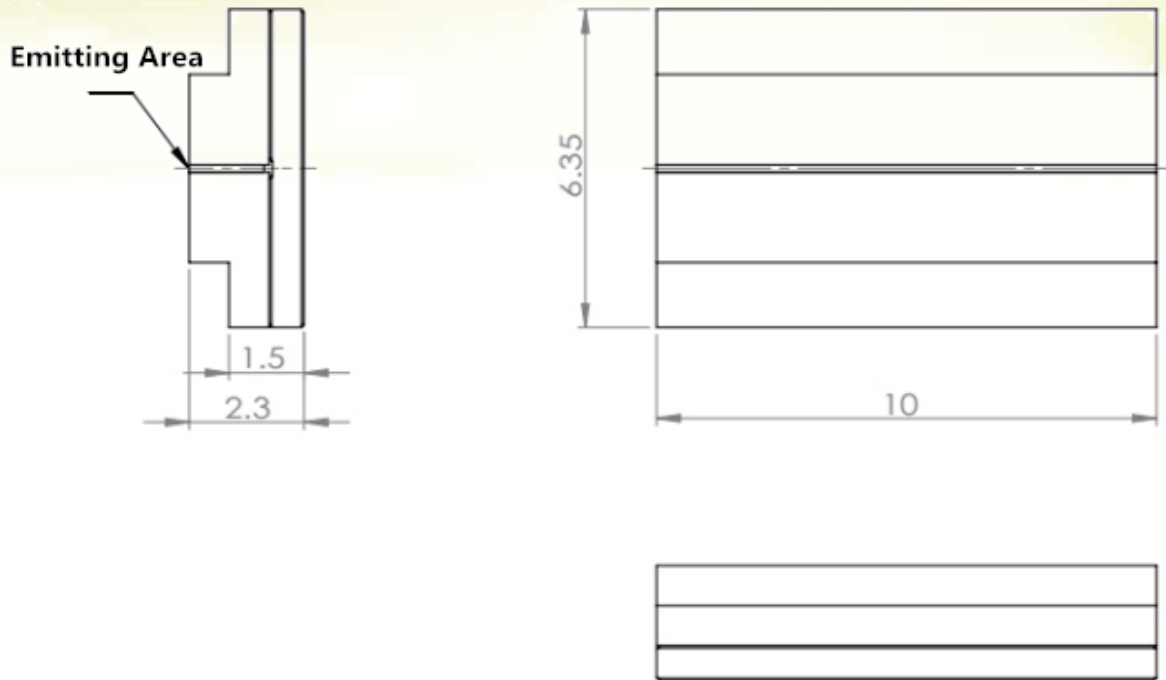


## Parameters (25°C)

Hard Solder Package Golden Bullet (Quasi-Continuous)					
Parameter		Unit	LDAQ1-0808-****		
Optical Parameter	Operation Model	-	QCW		
	Center Wavelength	nm	808 ± 5		
	Output Power	W	100	150	300
	Spectral Width	nm	< 5	< 5	< 3
	Emitting Unit Qty.	pc	100	100	62
	Wavelength & Temperature Ratio	nm/°C	0.28	0.28	0.28
	Fast Axis Divergence	deg	< 35	< 35	< 39
	Slow Axis Divergence	deg	< 10	< 10	< 9
	Duty Ratio	%	≤ 3	≤ 3	≤ 4
Electrical Parameter	Threshold Current	A	< 22	< 25	< 20
	Operating Current	A	< 120	< 175	< 295
	Operating Voltage	V	< 2.1	< 2.2	< 2.4
Thermal Parameter	Operating Temperature	°C	15 ~ 35		
	Storage Temperature	°C	-10 ~ 60		



## Package Information



## Notice

1. Item model notice: LDAQ2( item model)-8080(center wavelength)-\*\*\*\*(output power)
2. Package data is only for reference, which can be customized as client's design drawing.
3. Please make sure laser diode is operated within 15-35°C, as higher temperature will cause increased threshold current, lower exchange rate and accelerate the aging.
4. Please take measure to avoid of condensation, which will cause aging of laser diode.
5. For more information, please contact Hi-Tech Optoelectronics Co., Ltd.

