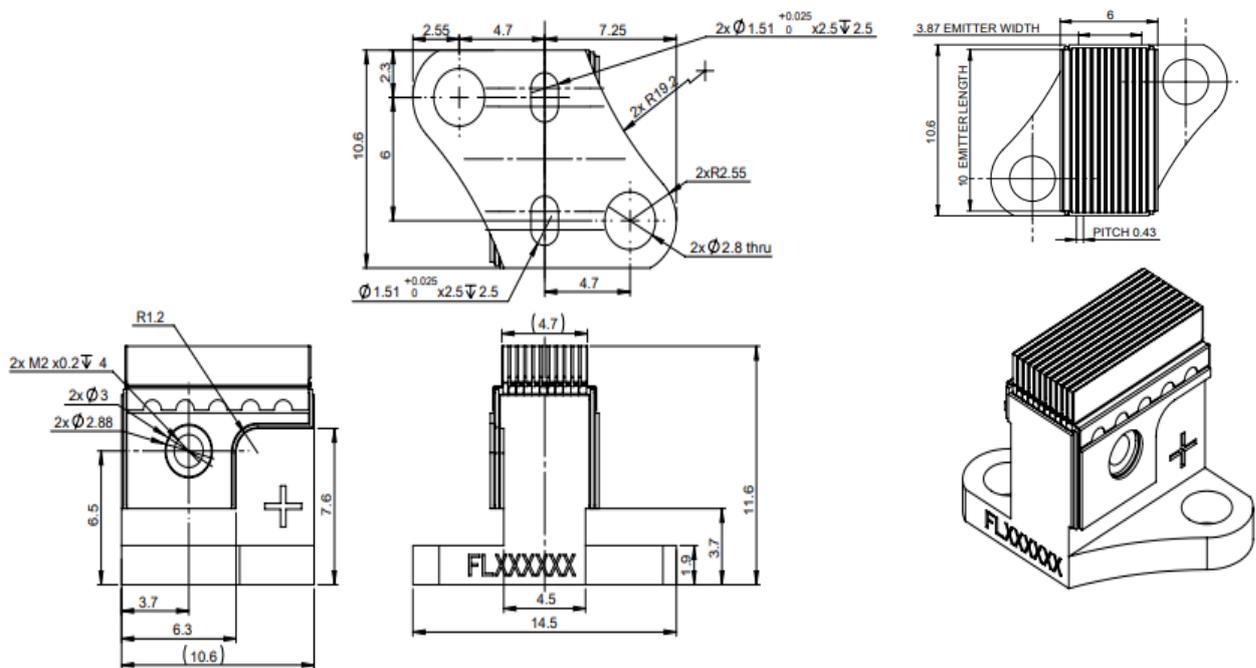


Conduction Cooled QCW Diode Laser

GS09 Series

	<h3>Features</h3>	<h3>Applications</h3>
	<ul style="list-style-type: none"> • High reliability • Narrow spectrum • High peak power • High temperature application • Compact Size 	<ul style="list-style-type: none"> • Pumping • Illumination • Industry • Research

Product Dimensions (mm)



Remark: The structure drawing is for reference only. Please feel free to contact us for any special requirements.

Product Specifications

Product Code

Part No. ¹

(Typical Customization)

FL-GS09-10X1-1000-808-(Q)

General Data	Unit	Value
Operation Mode	-	QCW
Pulse Width	us	200
Duty Cycle	%	1
Pitch	mm	0.43

Optical Data²

Centroid Wavelength	nm	808
Wavelength Tolerance	nm	± 2
Output Power per Bar	W	100
Number of Bars	-	10
Spectral Width FWHM	nm	≤ 4
Spectral Width 90% Energy	nm	≤ 6
Fast Axis Divergence (FWHM)	°	35 (typical)
Slow Axis Divergence (FWHM)	°	8 (typical)
Polarization Mode	-	TE
Wavelength Temp. Coefficient	nm / °C	~ 0.28

Electrical Data ²

Operation Current	A	≤ 120
Threshold Current	A	≤ 20
Operating Voltage per Bar	V	≤ 2
Slope Efficiency per Bar	W / A	≥ 1
Power Conversion Efficiency	%	≥ 55

Thermal Data

Operating Temperature	°C	-45 ~ 60
Storage Temperature ³	°C	-55 ~ 85

¹ Part No. = Brand Code - Series - Power - Centroid Wavelength - Variant Code.

² Reduced lifetime if used above nominal operating conditions.

³ A non-condensing environment is required for storage and operation below ambient dew level.

