

Conduction Cooled QCW Stack Diode Laser

GA03 Series



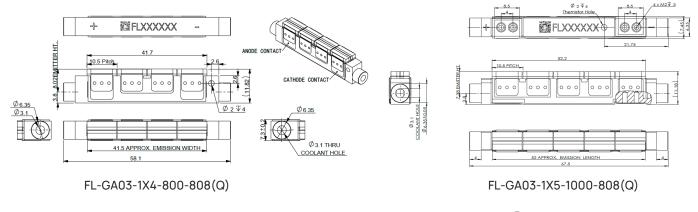
Features

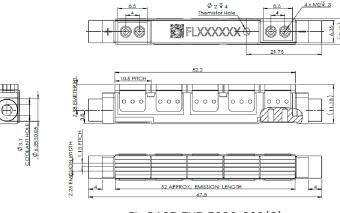
- AuSn Bonding
- High Reliability
- Narrow Spectral Width
- High Peak Power
- Compact Size

Applications

- Pumping
- Industry
- Research

Product Dimensions (mm)





FL-GA03-3X5-3000-808(Q)

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

All rights reserved. Product specifications and descriptions are subject to change. Product delivered with limited warranty. Please contact our sales representatives for complete details.
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Product Specifications

Product Code				(Typical Customization)
Part No. ¹		FL-GA03-1X4-800-808(Q)	FL-GA03-1X5-1000-808(Q)	FL-GA03-3X5-3000-808(Q)
Test Temperature		25°C	25°C	25°C
General Data	Unit	Value	Value	Value
Operation Mode	-	QCW	QCW	QCW
Pulse Width	us	250	250	300
Duty Cycle	%	1	1	5
Optical Data ²				
Centroid Wavelength	nm	808	808	808
Wavelength Tolerance	nm	± 3	± 3	± 3
Output Power per Bar	W	200	200	200
Number of Bars	-	4	5	15
Spectral Width FWHM	nm	≤ 4	≤ 4	≤ 4
Spectral Width 90% Energy	nm	≤ 6	≤ 6	≤ 6
Fast Axis Divergence (FWHM)	٥	35 (typical)	35 (typical)	35 (typical)
Slow Axis Divergence (FWHM)	٥	8 (typical)	8 (typical)	8 (typical)
Polarization Mode	-	TE	TE	TE
Wavelength Temp. Coefficient	nm /	~ 0.28	~ 0.28	~ 0.28
Electrical Data				
Operation Current	А	≤ 220	≤ 220	≤ 220
Threshold Current	А	≤ 40	≤ 40	≤ 40
Operating Voltage per Bar	V	≤ 2	≤ 2	≤ 2
Slope Efficiency per Bar	W/A	≥ 1	≥1	≥ 1
Power Conversion Efficiency	%	≥ 50	≥ 50	≥ 50
Thermal Data				
Operating Temperature	°C	25	25	25
Storage Temperature ³	°C	-55 ~ 85	-55 ~ 85	-55 ~ 85
Coolant	-	Distilled water	Distilled water	Distilled water
Flow Rate	L/min	2.5	2.5	2.5

¹Part 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.



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