

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	Unit	Value	Value	Value
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)	°	35 (typical)	35 (typical)	35 (typical)
Slow Axis Divergence (FWHM)	°	8 (typical)	8 (typical)	8 (typical)
Polarization Mode	-	TE	TE	TE
Wavelength Temp. Coefficient	nm /	~ 0.28	~ 0.28	~ 0.28

Electrical Data	Unit	Value	Value	Value
Operation Current	A	≤ 220	≤ 220	≤ 220
Threshold Current	A	≤ 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	Unit	Value	Value	Value
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

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.

