

Product Specifications

Product Code	GST000002	GST000003
Part No. ¹	FL-AA05-3x10-6000-807(Q)	FL-AA05-3x8-4800-808(Q)

General Data	Unit	Value	Value
Operation Mode	-	QCW	QCW
Pulse Width	μs	330	250
Duty Cycle	%	6.6	5
Bar Pitch	mm	1.13	1.13

Optical Data ³	Unit	Value	Value
Centroid Wavelength	nm	807	808
Wavelength Tolerance	nm	± 2	± 3
Output Power per Bar	W	200	200
Number of Bars	-	30	24
Spectral Width FWHM	nm	≤ 4	≤ 5
Spectral Width 90% Energy	nm	≤ 6	≤ 7
Fast Axis Divergence (FWHM)	°	35 (typical)	35 (typical)
Slow Axis Divergence (FWHM)	°	8 (typical)	8 (typical)
Polarization Mode	-	TE	TE
Wavelength Temp. Coefficient	nm / °C	~ 0.28	~ 0.28

Electrical Data ³	Unit	Value	Value
Operation Current	A	≤ 230	≤ 230
Threshold Current	A	≤ 40	≤ 40
Operating Voltage per Bar	V	≤ 2	≤ 2
Slope Efficiency per Bar	W / A	≥ 1	≥ 1
Power Conversion Efficiency	%	≥ 50	≥ 50

Thermal Data	Unit	Value	Value
Operating Temperature	°C	18 ~ 25	18 ~ 25
Storage Temperature ⁴	°C	-55 ~ 85	-55 ~ 85

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

² Reduced lifetime if used above nominal operating conditions.

³ Data at 25°C unless otherwise stated.

⁴ A non-condensing environment is required for storage and operation below ambient dew level.

