

Conduction Cooled QCW Vertical Stack Diode Laser GS02 Series



Features

- AuSn Bonding
- High reliability
- Narrow spectrum
- High peak power
- High temperature application
- Compact Size

Applications

- 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.

All rights reserved. Product specifications and descriptions are subject to change. Product delivered with limited warranty. Please contact our sales representatives for complete details. Address: 56 Zhangba 6th Road, High-Tech Zone, 710077 Xi'an, Shaanxi, P. R. China Focuslight Technologies Inc. Tel: +86 29 8188 9945 | Email: sales@focuslight.com | Website: https://www.focuslight.com

Product Specifications

Product Code		GST000008
Part No. ¹		FL-GS02-25X1-3750-808-Y-S-(Q)
General Data	Unit	Value

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Operation Mode	-	QCW
Pulse Width	μs	200
Duty Cycle	%	0.5
Bar Pitch	mm	0.73
Optical Data		
Centroid Wavelength	nm	808
Wavelength Tolerance	nm	±2
Output Power per Bar	W	150
Number of Bars	-	25
Spectral Width FWHM	nm	≤ 4
Spectral Width 90% Energy	nm	≤ 6
Fast Axis Divergence (FWHM)	٥	35 (typical)
Fast Axis Divergence with FAC	٥	≤ 5°
Slow Axis Divergence (FWHM)	٥	8 (typical)
Polarization Mode	-	TE
Wavelength Temp. Coefficient	nm /°C	~ 0.28
Electrical Data		
Operation Current	А	≤ 180
Threshold Current	А	≤ 40
Operating Voltage per Bar	V	≤ 2
Slope Efficiency per Bar	W / A	≥1
Power Conversion Efficiency	%	≥ 50
Thermal Data		

Thermal Data		
Operating Temperature	°C	-45 ~ 60
Storage Temperature ⁴	°C	-55 ~ 85

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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