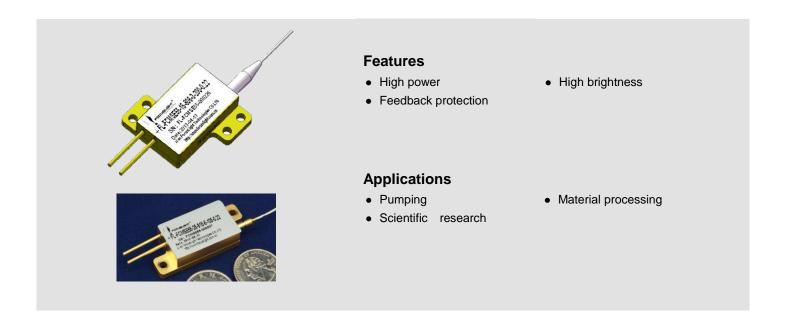
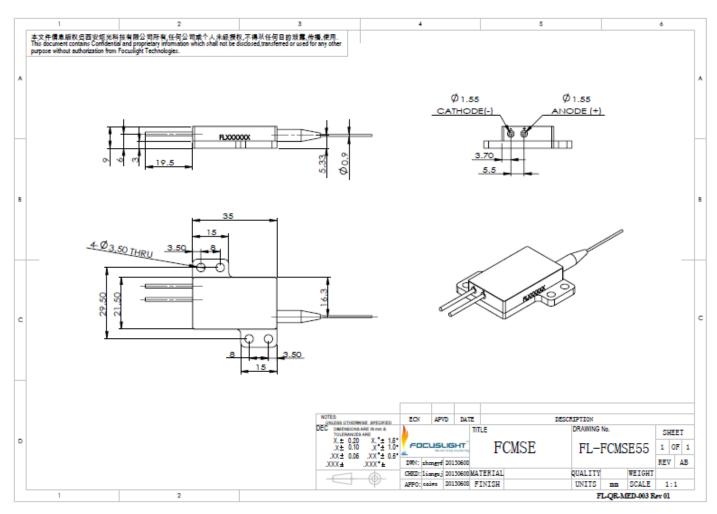


Fiber Coupled Multiple Single Emitter FCMSE55 Series (CW)



Device Dimension (mm)



This structure drawing is only for reference. For any other special requirement, please feel free to contact us.



Fiber Coupled Multiple Single Emitter FCMSE55 Series (CW)

Specification

产品对外代号	/				
产品对外标准编号	/	SPEC003C001	SPEC003C002	SPEC003C003	SPEC003C004
Module Type ¹	Units	FL-FCMSE55-15- 808	FL-FCMSE55-25- 915	FL-FCMSE55-25- 940	FL-FCMSE55-25- 976
Optical ^{3,6}					
Center Wavelength λ	nm	808	915	940	976
Wavelength Tolerance	nm	±5	±5	±5	±5
Output Power ²	W	15	25	25	25
Spectral Width FWHM	nm	≪4	≪6	≤6	≤6
TYP NA(90% Energy)	-	0.18TYP	0.18TYP	0.18TYP	0.18TYP
Feedback Protection(1040nm-1100nm)	dB	/	30	30	30
Fiber Parameters					
Fiber Numerical Aperture	NA	0.22	0.22	0.22	0.22
Fiber Core Diameter	μm	200	105	105	105
Fiber length ⁵	m	1.5	1.5	1.5	1.5
Electrical Parameters ^{3,6}					
Operating Current I _{op}	Α	≤ 7	≤10.5	≤10.5	≤10.5
Threshold Current I _{th}	Α	≤1.8	≤0.7	≤0.7	≤0.7
Operating Voltage V _{op}	V	≤ 7	≪6	≤6	≪6
Slope Efficiency	W/A	≥2.0	≥2.3	≥2.3	≥2.3
Power Conversion Efficiency	%	≥38	≥45	≥45	≥45
Thermal Parameters					
Operating Temperature	$^{\circ}\!\mathbb{C}$	15~30	15~30	15~30	15~30
Storage Temperature ⁴	$^{\circ}\!\mathbb{C}$	-20~80	-20~80	-20~80	-20~80
Recommended Heatsink Capacity	W	≥50	≥60	≥60	≽60

¹Explanation for the name of Module Type: FL(abbreviation of Focuslight) –FCMSE55(structure code) -25(output power) -915(center wavelength).



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²Reduced lifetime if used above nominal operating conditions.

³Data at 25°C temperature, unless otherwise stated.

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

⁵Fiber length can be specified by customer.

⁶If there are any other requirements, please contact us.