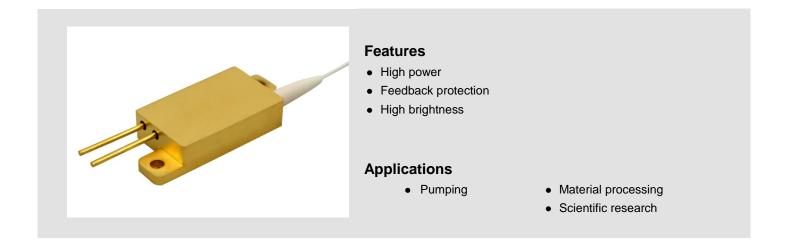
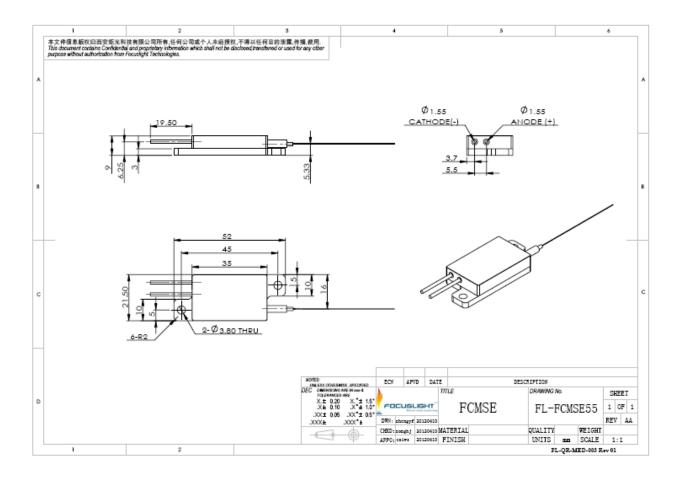


Fiber Coupled Multiple Single Emitter FCMSE58 Series (CW)



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

Module Type ¹	Units	FL-FCMSE55-15-80	FL-FCMSE55-20-91	FL-FCMSE55-25-94	FL-FCMSE55-25-97
36		8	5	0	6
Optical ^{3,6}					
Center Wavelength λ	nm	808	915	940	976
Wavelength Tolerance	nm	±5	±5	±5	±5
Output Power ²	W	15	20	25	25
Spectral Width FWHM	nm	€3	€6	€6	€6
Feedback	Db	1	30	30	30
protection(1040~1100nm)					
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 Iop	Α	€7	≤8.5	≤10.5	≤10.5
Threshold Current Ith	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	%	≥38	≥45	≥45	≥45
Efficiency					
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	≥35	≥35	≥35	≥35

¹Explanation for the name of Module Type: FL(abbreviation of Focuslight) –FCMSE55(structure code) -15(output power) -808(center wavelength)

 $^{^{\}rm 6}\mbox{If there are any other requirements, please contact us.}$



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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. 0.9mm PBTP is available for standard products.