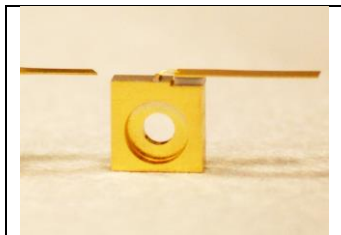


DATA SHEET: 3000 nm single transverse mode laser diode

Product number: FL30000080B4CM



Specification*

T = 20 °C, Continuous-wave operation

Parameter	Unit	Min.	Typ.	Max.
Resonator length	mm		2	
Ridge width	μm	3	4	5
Threshold current	mA	65	70	90
Operating current	mA	0		800
Operating voltage @ 0.5 A	V	1	1.3	2
Peak output power**	mW	17	22	28
Center wavelength @ 0.5 A	nm	2940	2960	3050
Spectral bandwidth	nm		5 nm	
Wavelength tuning	nm/mA	0.1	0.15	0.2

* Exceeding maximum operating ratings can lead to permanent damage to the device! This can adversely affect device performance or lead to complete failure.

** Per single facet, no coatings applied (as-cleaved).

Typical characteristics:

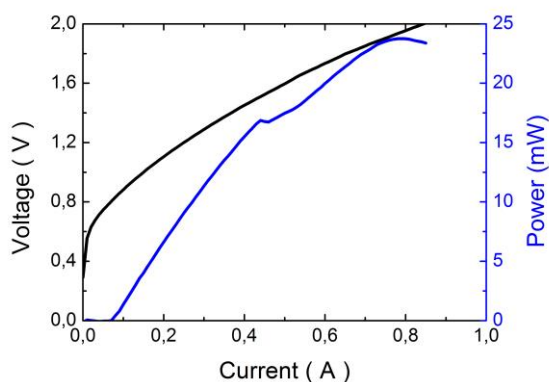


Fig. 1. Typical L-I-V characteristics for a 2 mm laser.

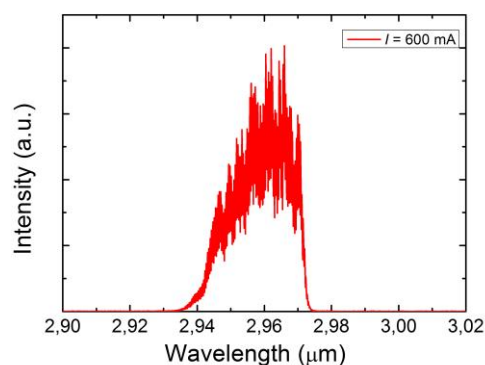


Fig. 2. Typical emission spectrum at 600 mA.

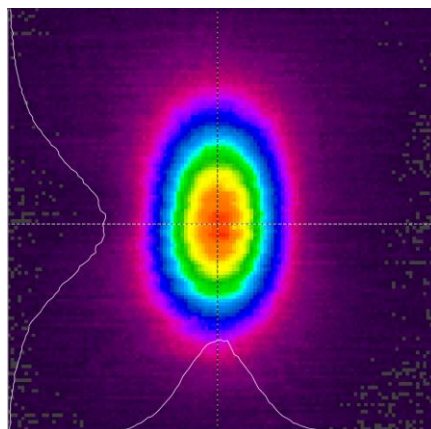


Fig.3. Registered 2D far-field profile. Drive current is 800 mA.

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