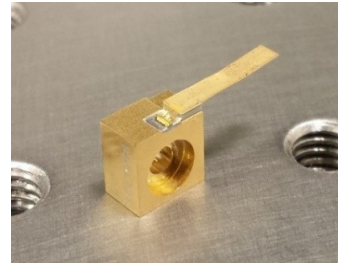


**1940 nm FABRY-PEROT LASER DIODE**

**Product number:** 19400825\_KL\_15\_0150CM

**Package:** C-mount



**Specifications**

**Physical properties**

Cavity length	mm	1.5
Ridge width	µm	150
AR coating	%	5
HR coating	%	>95

**Electrical properties**

Threshold current	mA	650
Maximum operating current**	mA	<b>6000</b>
Maximum operating voltage**	V	1.65

**Optical properties**

Center wavelength range*	nm	1940
Peak output power	mW	1217
Mode		Multimode
Fast-axis divergence ( FWHM):	deg	40
Slow-axis divergence (FWHM):	deg	10

**Thermal properties**

Thermal resistance:	K/W	~ 5
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**Spectral properties**

Wavelength shift	nm/A	9.1
Wavelength shift	nm/K	~1
Spectral width FWHM @ 1217mW	nm	11.8
Spectral width 1/e <sup>2</sup> @ 1217mW	nm	15.7

\*20 °C, Continuous-wave operation, 5000 mA

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



Performance plots

