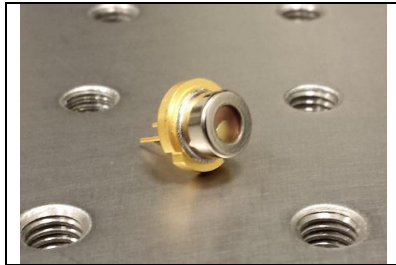


DATA SHEET: 2450 nm FABRY-PEROT LASER DIODE

Brolis semiconductors Ltd.

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Specification*

T = 20 °C, Continuous-wave operation

Parameter	Unit	Min.	Typ.	Max.
Resonator length	mm		1.5	
Ridge width	μm		120	
Threshold current @ 20 °C	mA		590	
Operating current	A	0		6
Operating voltage	V	0		1.4
Peak output power	mW			500
Center wavelength @ 4500 mA	nm		2433	
Mode properties				
Mode		Polarization		
Single-TE00		TE		

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

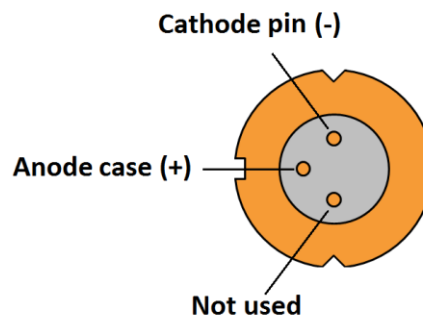


Fig. 1. TO-5 contact configuration

Typical characteristics: TO-5 package

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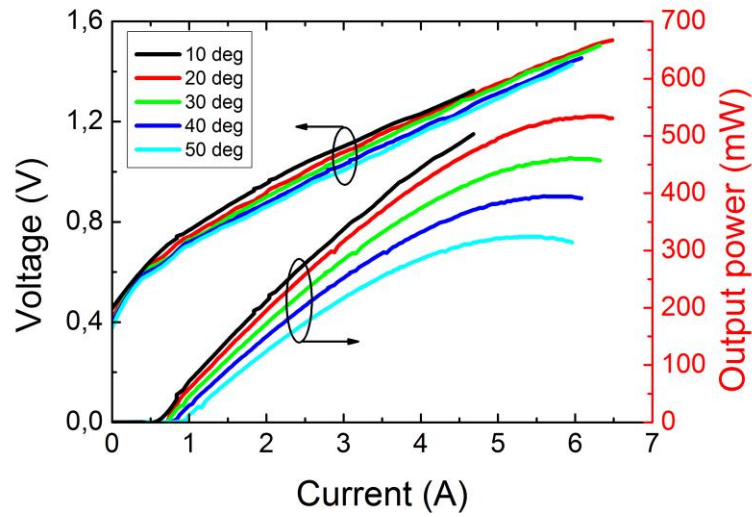
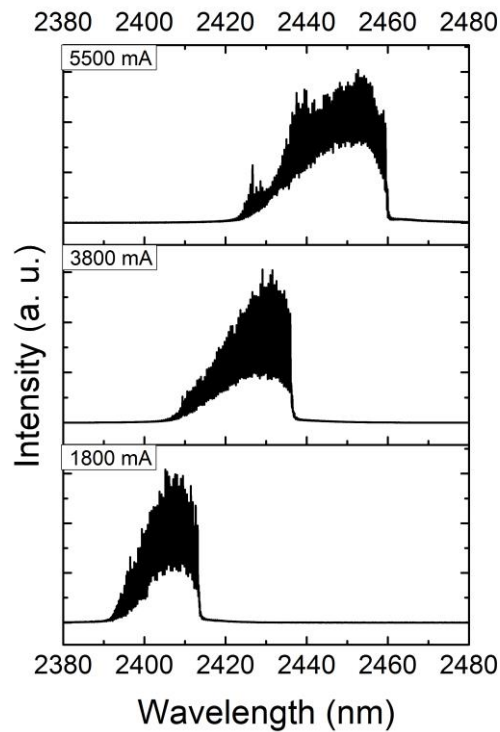

 Fig. 2. Typical $L-I-V$ characteristic


Fig. 3. Typical emission spectra at different driving currents (20 deg C)