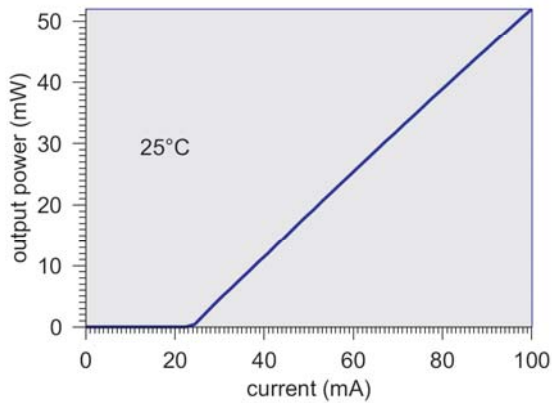




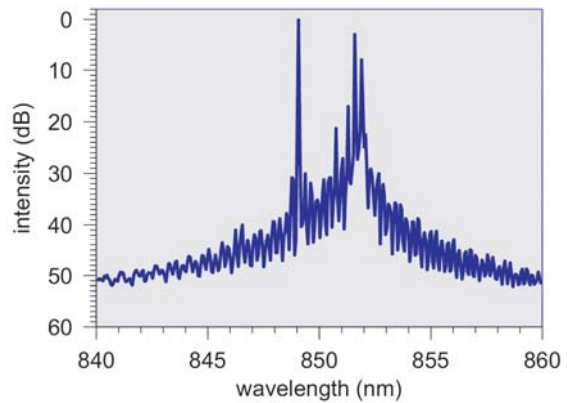
FP-852-45

Datasheet for 850nm FP Laser

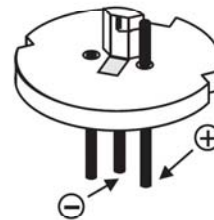
Current-Output-Power



Spectrum



The Laser is mounted on:
 TO9mm without cap.
 Electrical connection as shown:



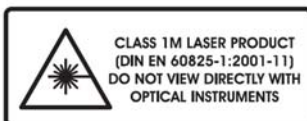
Characteristics

Parameter	Symbol	Unit	min	typical	max
Operation voltage	U	V			2
Max. Current	I_{max}	mA			100
Threshold current	I_{th}	mA		24	
Slope efficiency	e	mW/mA		0.64	

Operation conditions

Parameter	Symbol	Unit	min	typical	max
Operation temperature	T	°C		25	
Wavelength	λ	nm		850	
Operation current	I	mA		90	
Output power	P_{opt}	mW		45	

Device protected by US patent no. 6,671,306; 6,846,689



Caution:

High voltage, high temperature, and mechanical forces may cause irreversible damage to the laser. When handling the laser diode proper ESD (electrostatic discharge) precautions are recommended to avoid performance degradation or loss of functionality.

