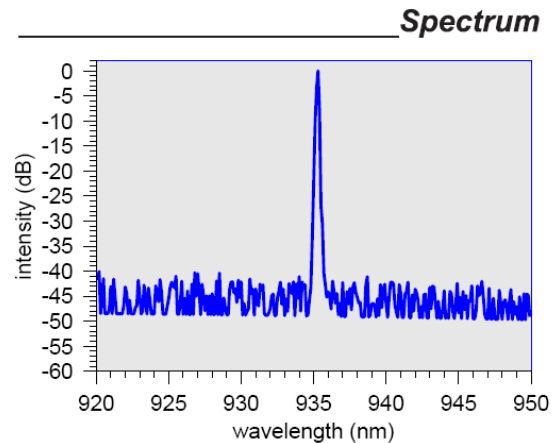
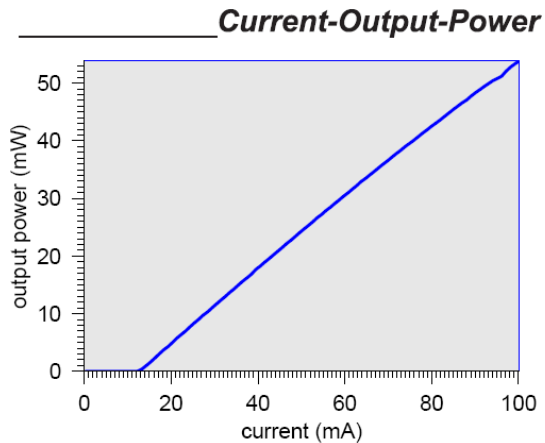




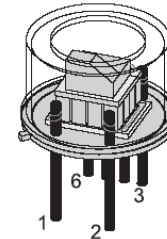
Datasheet for 935nm DFB Laser



The Laser is mounted on: TO8 with TEC and cap. Electrical connection as shown:

Pin	Function
1	TEC (-)
2	TEC (+)
3	Thermistor
4	Thermistor
5	LD (-)
6	LD (+)

Parameter	Symbol	Value	Unit
Max. temperature diff.	ΔT_{max}	73	K
Max. current	I_{max}	1.2	A
Max. voltage	U_{max}	2.2	V
Max. power	Q_{max}	1.45	W
Thermistor R_0 @ 25°C	R_0	8785	Ω
Thermistor b	b	3288	K



Caution: Before operating the cooler: TO8 has to be connected to a heat sink.

Characteristics

Parameter	Symbol	Unit	min	typical	max
Operation voltage	U	V			2
Max. Current	I_{max}	mA			105
Threshold current	I_{th}	mA		12	
Slope efficiency	e	mW/mA		0.56	

Operation conditions

Parameter	Symbol	Unit	min	typical	max
Operation temperature	T	°C		25	
Wavelength	λ	nm		935.3	
Operation current	I	mA		95	
Output power	P_{opt}	mW		50	

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