

DFB Laser Diode Module Test Report

FITEL[®]

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Model number	FRL15DCWB-A82-19340-B
Serial number	65X12A03

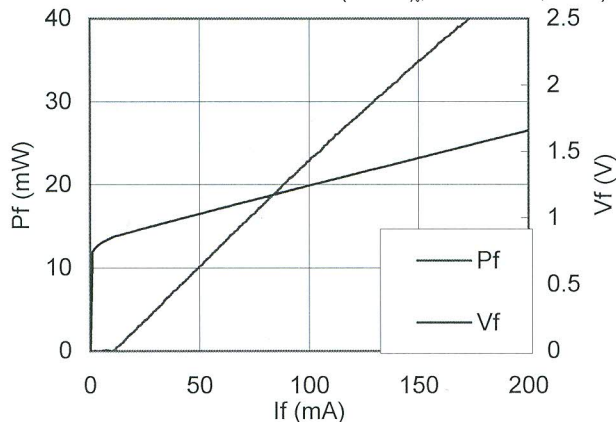
Electrical and Optical Characteristics

$T_s = T_\lambda, T_c = 25^\circ\text{C}$

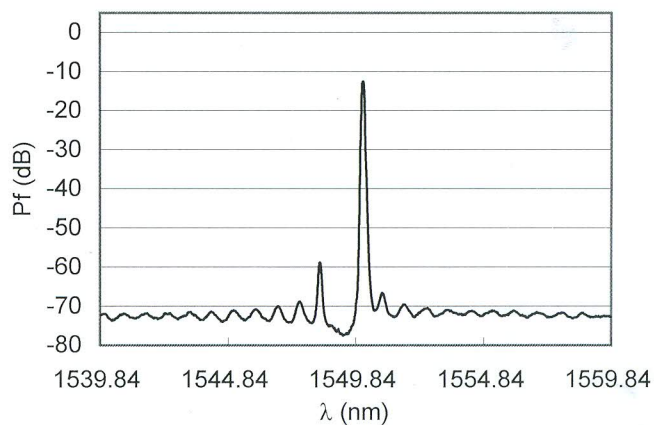
No.	Parameter	Symbol	Unit	Condition	Test
1	Peak Emission Wavelength	λ_c	nm	Pf=20mW	1550.109
2	Measured Operating Temperature	T_λ	$^\circ\text{C}$	Pf=20mW	29.2
3	Threshold Current	I_{th}	mA		10.7
4	LD Forward Current	I_{op}	mA	Pf=20mW	88.0
5	LD Forward Voltage	V_f	V	Pf=20mW	1.2
6	Monitor Current	I_m	mA	Pf=20mW	0.215
7	Side-Mode Suppression Ratio	SMSR	dB	Pf=20mW	46.4
8	Thermistor Resistance	R	$k\Omega$	Pf=20mW	8.3

LD Module Characteristics

L-I & V-I Characteristics ($T_s = T_\lambda, T_c = 25^\circ\text{C}, \text{CW}$)



Optical Spectrum at 20mW ($T_s = T_\lambda, T_c = 25^\circ\text{C}, \text{CW}$)



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