

# DFB Laser Diode Module Test Report

# FITEL<sup>®</sup>

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Model number	FRL15DCWB-A82-19340-B
Serial number	65X12A01

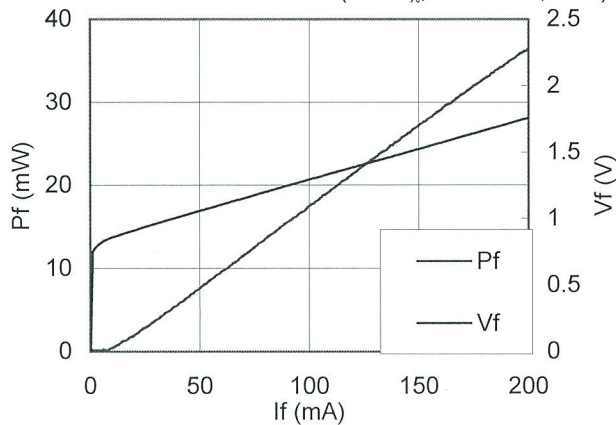
## Electrical and Optical Characteristics

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

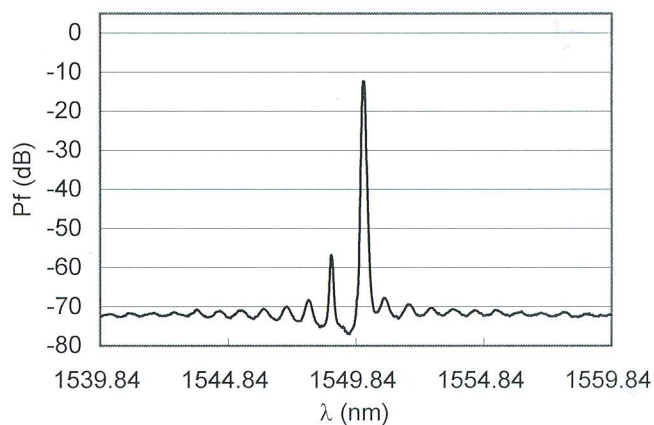
No.	Parameter	Symbol	Unit	Condition	Test
1	Peak Emission Wavelength	$\lambda_c$	nm	Pf=20mW	1550.119
2	Measured Operating Temperature	$T_\lambda$	$^\circ\text{C}$	Pf=20mW	20.3
3	Threshold Current	$I_{th}$	mA		9.3
4	LD Forward Current	$I_{op}$	mA	Pf=20mW	112.9
5	LD Forward Voltage	$V_f$	V	Pf=20mW	1.4
6	Monitor Current	$I_m$	mA	Pf=20mW	0.901
7	Side-Mode Suppression Ratio	SMSR	dB	Pf=20mW	44.5
8	Thermistor Resistance	R	$k\Omega$	Pf=20mW	12.4

## 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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