

1625nm High Power Laser Source (14-Pin Butterfly Package)

DL-E-FPL63100A

FEATURES

- Pulsed peak power output >100mW
- For Pulsed and CW applications
- 14-Pin Butterfly Package with optional integrated isolator and power monitor
- For Test and Measurement Instrument

The DenseLight DL-E-FPL63100A is a cooled High Power 1625nm Laser Source. High pigtail output of >100mW Pulsed peak power (10 μ s, DC=1%). It consists of a laser diode in a 14-Pin butterfly package.

ELECTRICAL AND OPTICAL CHARACTERISTICS

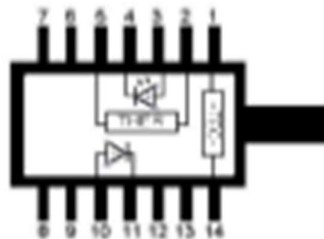
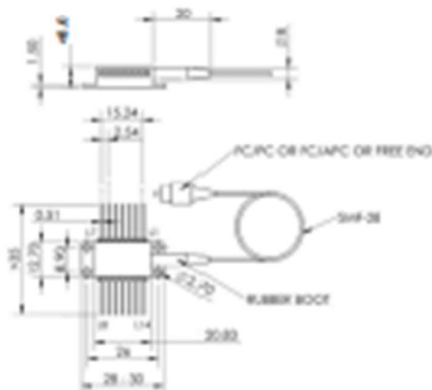
(Test Condition: T_{LD}=25^oC, PW=10 μ s, DC=1%, unless otherwise indicated)

Parameter	Symbol	Test Conditions	MIN	TYP	MAX	Unit
Optical Power (Pulsed)	P		100	-	-	mW
Optical Power (CW)	P _{CW}	CW, 400mA	40	-	-	mW
Operating Current	I _{OP}		-	-	1000	mA
Threshold Current	I _{TH}		-	45	-	mA
Operation Voltage	V _{OP}		-	-	2.5	V
Center Wavelength	λ_c		1615	1625	1635	nm
Spectral Width	$\Delta\lambda$		-	4	-	nm

ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Rating	Unit
Laser forward current	I _f	1100	mA
Laser reverse voltage	V _k	2	V
Laser forward voltage	V _f	3	V
Operation temperature	T _c	0 ~ +60	°C

PACKAGE



Pin	Pin Assignment
1	TEC(-)
2	Thermistor
3	PD Anode
4	PD Cathode
5	Thermistor
6	-
7	-
8	-
9	-
10	LD Anode
11	LD Cathode
12	-
13	Case
14	TEC(+)