

## 1550nm FP LD Module for OTDR



**Model: RSLD1550**

**1550nm pulsed FP-LD for OTDR(pulsed power>60mW)**

### Absolute maximum ratings

Parameter	Symbol	Min.	Max.	Unit	Test condition
Storage temperature	T <sub>st</sub>	-40	+70	°C	-
Operating temperature	T <sub>op</sub>	-40	+85	°C	-
Reverse voltage	V <sub>R</sub>		2	V	CW
Solder temperature/time			260/10	°C /S	-

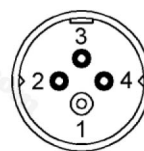
### Optical & electrical characteristics(T=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test condition
Center wavelength	$\lambda_c$	1530	1550	1570	nm	-
Threshold current	I <sub>th</sub>	-	30	50	mA	
Spectral width	$\Delta\lambda$	-	-	10	nm	I <sub>th</sub> +20mA, -20dB
Operating current	I <sub>op</sub>	400	450	800	mA	
Output power	P	60	-	-	mW	I <sub>op</sub> , pulse $\phi$
Operating voltage	V <sub>op</sub>	-	-	5	V	CW, I <sub>th</sub> +20mA
Rise/ Fall time	Tr/Tf	-	1	2	nS	10%~90%, I <sub>b</sub> =I <sub>th</sub>

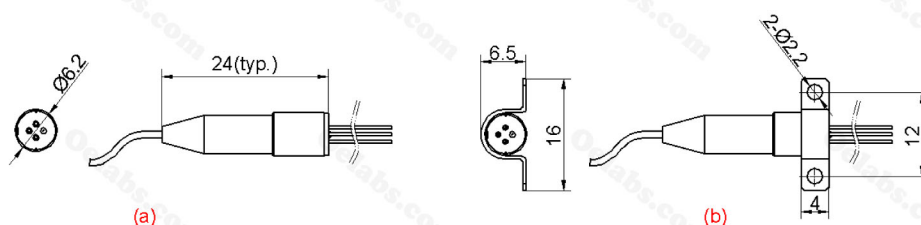
Note:  $\phi$ Pulse condition:Pulse width $\leq$  10 $\mu$ s,Duty ratio $\leq$ 1%

### PIN assignment

	F type
1	LD(+)/case
2	LD(-)
3	-
4	-



### Dimensions Diagram



Oelabs Inc.

Add: 1265. Ouimet, app.10, Montreal Q.C.Canada H4L 3P8

www.oelabs.com Email: sales@oelabs.com