

## 1310nm FP LD Module for OTDR



**Model: RSLD1310**

**1310nm pulsed FP-LD for OTDR(pulsed power>80mW)**

### Absolute maximum ratings

Parameter	Symbol	Min.	Max.	Unit	Test condition
Storage temperature	Tst	-40	+70	°C	-
Operating temperature	Top	-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	$\lambda_c$	1290	1310	1330	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	700	900	mA	
Output power	P	80	-	-	mW	I <sub>op</sub> ,pulse $\dagger$
Operating voltage	V <sub>op</sub>	-	-	5	V	CW,I <sub>th</sub> +20mA
Rise/ Fall time	T <sub>r</sub> /T <sub>f</sub>	-	1	2	nS	10%~90%,I <sub>b</sub> =I <sub>th</sub>

Note:  $\dagger$ 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

