

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 _R		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	λ_c	1290	1310	1330	nm	-
Threshold current	I _{th}	-	30	50	mA	
Spectral width	$\Delta\lambda$	-	-	10	nm	I _{th} +20mA,-20dB
Operating current	I _{op}	400	700	900	mA	
Output power	P	80	-	-	mW	I _{op} ,pulse \dagger
Operating voltage	V _{op}	-	-	5	V	CW,I _{th} +20mA
Rise/ Fall time	Tr/Tf	-	1	2	nS	10%~90%,I _b =I _{th}

Note: \dagger Pulse condition:Pulse width \leq 10 μ s,Duty ratio \leq 1%

PIN assignment

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



Dimensions Diagram

