

# Long-wavelength Snowslide LED

## Features

High quanta efficiency  
 Low hidden current  
 High stability  
 Transport rate @ 2.5G  
 Input with SM fibre



## Applications

Fibre-optic communication  
 Fibre-optic sensors  
 Instruments & equipment

## Specifications

Parameter	Sympol	Tested condition	Min.	Typ.	Max.	Unit
Reverse voltage	$V_R$	$I_R=100\mu A$	40	60	90	V
Hidden current	$I_D$	$V_R=60V$	-	60	100	nA
Operating wavelength	$\lambda$	-	1100	-	1650	nm
Quanta	$\eta$	$M=1, \lambda=1310nm$	-	80	-	%
Photosensitivity surface dia.	$\phi$	-	-	50	-	um
End current	fc	$M=10, RL=50, -3dB$	1	2.5	-	GHz
Capacitance	C	$V_R=60V, f=1MHz$	-	0.7	0.9	pf

## Absolute Maximum Ratings

Parameter	Sympol	Reference value	Unit
Reverse current	$I_R$	500	$\mu A$
Forward current	$I_F$	2	mA
Operating temperature	$T_{OP}$	-40 ~ +65	$^{\circ}C$
Storage temperature	$T_{ST}$	-40 ~ +85	$^{\circ}C$

## Pin definition:

1. LED N (-)	2. Grounding
3. LED P (+)	

