Part No.	SL-T4233IRC050-L365-P	Page	1 of 9
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Electrical Optical Characteristics at Ta=25

Parameter	Symbol	Min.	Тур.	Max.	Unit	Test Condition	
Dodiant Intensity		8.8	12		mW/sr	I _F =20mA (Note 1,3)	
	ie	21	30		mW/sr	I _F =50mA (Note 1,3)	
Viewing Angle(X)	0		105		Dog	(Note 2)	
Viewing Angle(Y)	<i>⊷</i> 1/2		50		Deg.		
Peak Wavelength	р		940		nm	I _F =50mA	
Spectral Line Half-Width			50		nm	I _F =50mA	
Forward Voltage	V _F		1.35	1.60	V	I _F =50mA	
Reverse Current	I _R			10	μA	V _R =5V	

Note:

- 1. Point sources of the amount of radiation per unit time in a given direction within the unit solid Angle radiated energy.
- $2_{1/2}$ is the off-axis angle at which the Radiant Intensity is half the axial Radiant Intensity.
- 3. The le guarantee should be added $\pm 15\%$ tolerance.

Part No.	SL-T4233IRC050-L365-P	Page	4 of 9



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adiant ntensity in ode m

in m sr	ax m sr
21	26
26	31
31	37
37	44
44	53

NOTE: The le guarantee should be added $\pm 15\%$ tolerance.

Part No.	SL-T4233IRC050-L365-P	Page	6 of 9



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Part No. SL-T4233IRC050-L365-P H	Page	7 of 9
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Part No.	SL-T4233IRC050-L365-P	Page	8 of







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eflow ondition or ead ree





- 1. Reflow soldering should not be done more than two times.
- 2. When soldering, do not put stress on the LEDs during heating.

oldering iron

- 1. When hand soldering, the temperature of the iron must less than 300 $^\circ\!{\rm C}$ for 3 seconds.
- 2. The hand solder should be done only once.

epairing

Repair should not be done after the LEDs have been soldered. When repairing is unavoidable, a double-head soldering iron should be used (as below figure). It should be confirmed beforehand whether the characteristics of LEDs will or will not be damaged by repairing.

Part No.	SL-T4233IRC050-L365-P	Page	9 of 9