









### Electrical Optical Characteristics at Ta=25

Parameter	Symbol	Min.	Тур.	Max.	Unit	Test Condition	
Dadiget Intensity	1.	8.8	12		mW/sr	I <sub>F</sub> =20mA (Note 1,3)	
Radiant Intensity	le	21	30		mW/sr	I <sub>F</sub> =50mA (Note 1,3)	
Viewing Angle(X)	0		105		D	(Note 2)	
Viewing Angle(Y)	2 1/2		50		Deg.		
Peak Wavelength	р		940		nm	I <sub>F</sub> =50mA	
Spectral Line Half-Width			50		nm	I <sub>F</sub> =50mA	
Forward Voltage	V <sub>F</sub>		1.35	1.60	V	I <sub>F</sub> =50mA	
Reverse Current	I <sub>R</sub>			10	μΑ	V <sub>R</sub> =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 <sub>1/2</sub> 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.





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.

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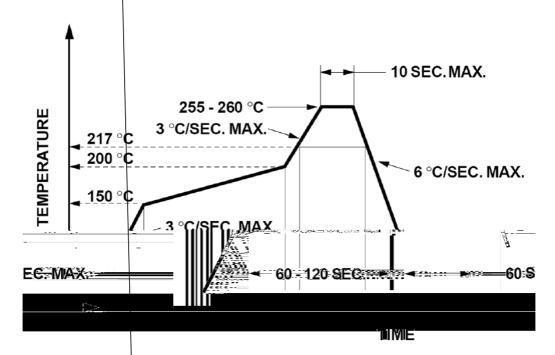


abel	xplanation	
Part N	lo. SL-T4233	BIRC050-L365-P





uggest eflow andition or ead ree



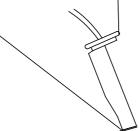
- 1. Reflow soldering should not be done more than two times.
- 2. When soldering, do not put stress on the LEDs during heating.

### oldering iron

- 1. When hand soldering, the temperature of the iron must less than 300°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.



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