

# LIGH

### Features

Pb f

Low

Reli

Lon

Fast

High

## Package

**Notes:** 

1.

2.

Part No.

LIGHT ELECTRONICS CO., LTD.		
Part No.   SL-T3216PTB020-L233-R	Раде	3 of 8



### LIGHT ELECTRONICS CO., LTD.



#### Electrical Optical Characteristics at Ta=25

Parameter	Symbol	Min.	Тур.	Max.	Unit	t Test Condition	
	0.5	780		1100	nm		
	Р		940		nm		
Collector-Emitter Breakdown Voltage	BV <sub>CEO</sub>	30			V	I <sub>C</sub> =0.1mA Ee=0mW/cm2	
Emitter-Collector Breakdown Voltage	BV <sub>ECO</sub>	5			٧	I <sub>E</sub> =0.1mA Ee=0mW/cm2	
Collector-Emitter Saturation Voltage	$V_{\text{CE(SAT)}}$			0.4	V	I <sub>C</sub> =0.1mA Ee=1mW/cm2	
						$V_{CE}$ =5 $V$ $I_{C}$ =1 $m$ A $R_{L}$ =1000	
Viewing Angle	1/2		50		Deg.		
Collector Dark Current	I <sub>CEO</sub>			100	nA	V <sub>CE</sub> =10V Ee=0mW/cm2	
On State Collector Current	I <sub>C(ON)</sub>	1.0			mA	V <sub>CE</sub> =5V Ee=1mW/cm2	

#### **Note:**

 $_{\text{1/2}}$  is the off-axis angle at which the  $I_{\text{C(ON)}}$  is half the axial  $I_{\text{C(ON)}}.$ 

2. The  $I_{\text{C(ON)}}$  guarantee should be added  $\pm 15\%$  tolerance.

### LIGHT ELECTRONICS CO., LTD.





### LIGHT ELECTRONICS CO., LTD.



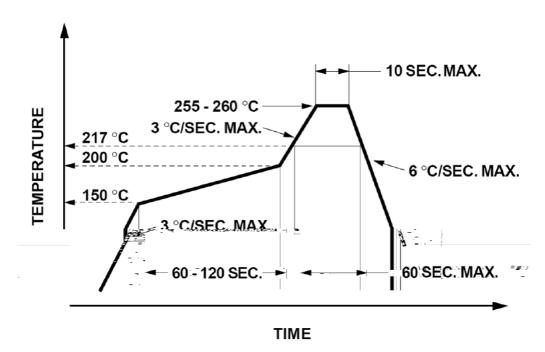
Note: Tolerance unless mentioned is ±0.1m	m:   Init – mm		
Trote. Totalaice diffessitiationed is ±0.111			
Moisture Resistant Packaging			
AME			
Part No.   SL-T3216PTB020-L233	3-R	Page	7 of 8

LG-QR-R009-01





#### Suggest IR Reflow Condition For Lead Free



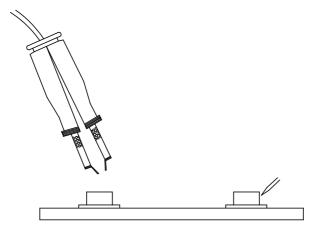
- 1. Reflow soldering should not be done more than two times.
- 2. When soldering, do not put stress on the LEDs during heating.

#### Soldering 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.

#### Repairing

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.	Page 8 of 8	SL-T3216PTB020-L233-R
Part No.	Page 8 of	SL-T3216PTB020-L233-R