



Features

Pb free product—RoHS compliant Low power consumption, High efficiency Reliable and rugged Long life – solid state reliability Fast response time High photo sensitivity

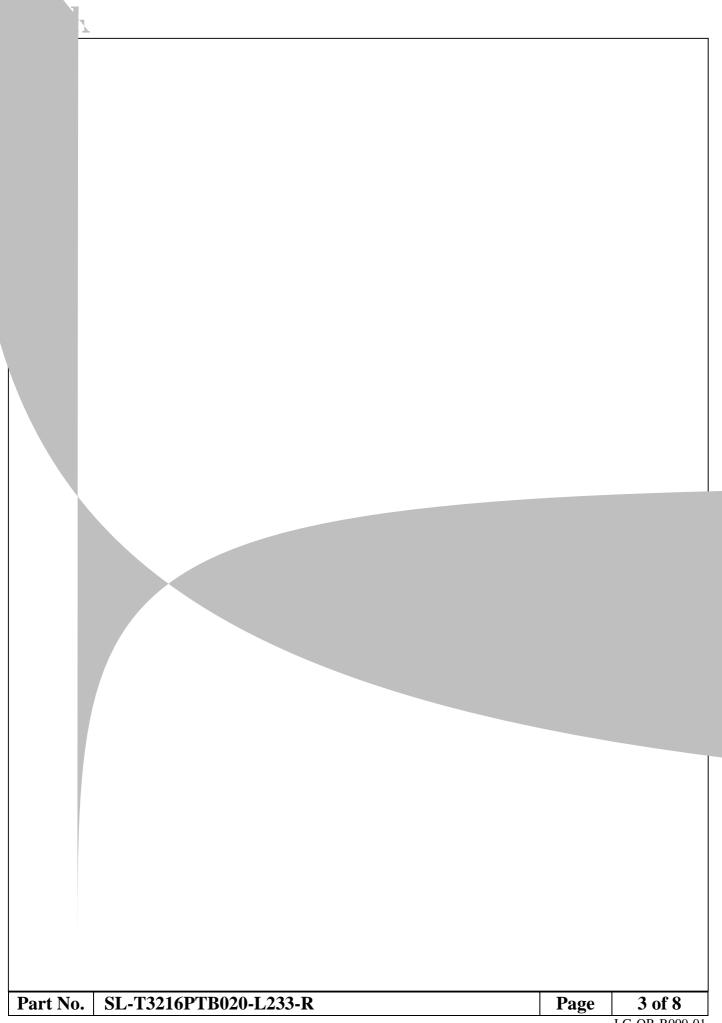
Package Dimension

Notes:

1. All dimensions are in millimeters.

2.

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Electrical Optical Characteristics at Ta=25

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

Note:

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

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

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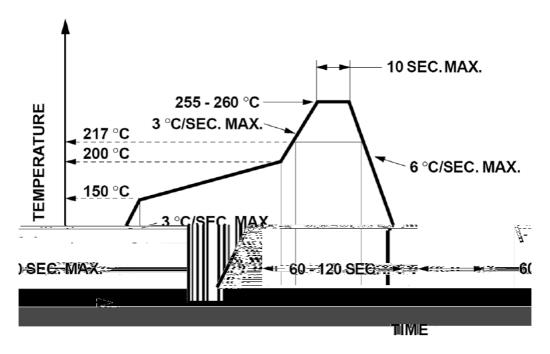
Carrier Tape Specifications		
Note: Tolerance unless mentioned is ± 0.1 mm; Unit = mm		
Moisture Resistant Packaging		
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Suggest IR Reflow Condition For Lead Free



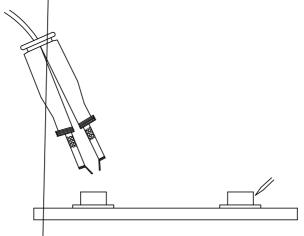
- 1. Reflow soldering should not be done more than two times.
- 2. When soldering, do not put stress on the LEDs during heating.

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.



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