







Features

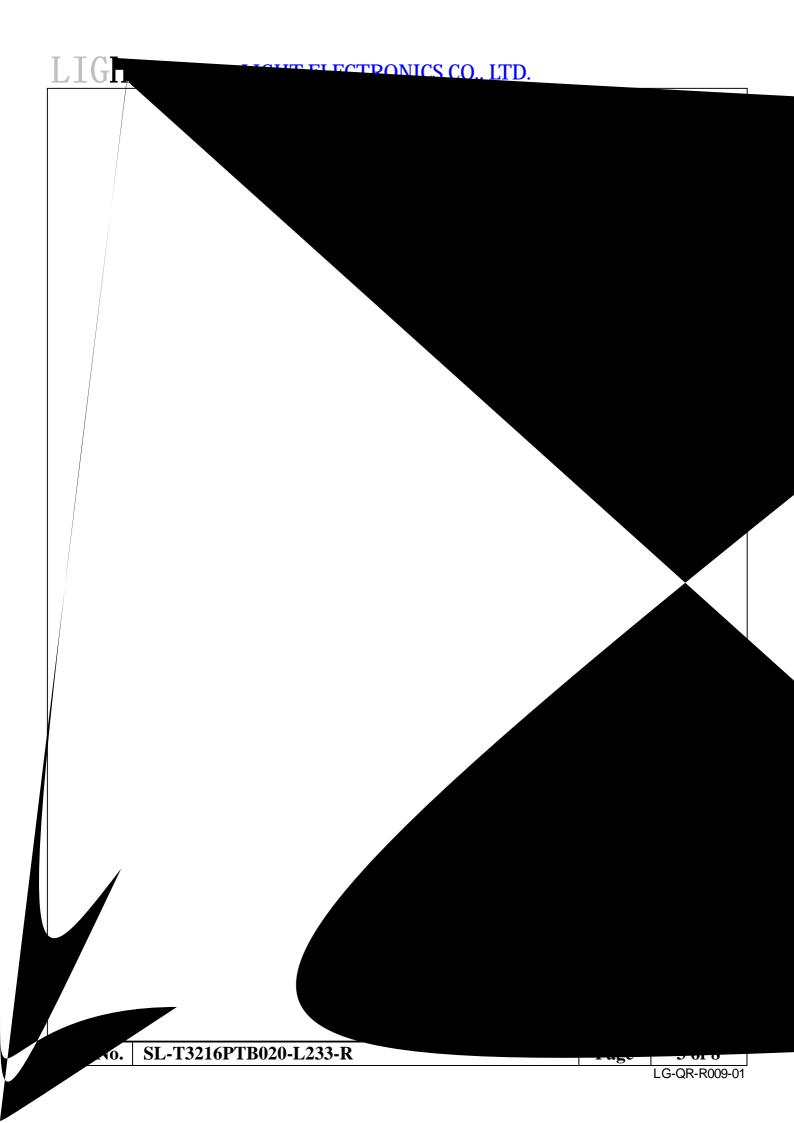
Pb free product—RoHS compliant
Low power consumption, High efficiency
Reliable and rugged
Long life – solid state reliability
Fast response time
High photo sensitivity

Package Dimension

Notes:

- 1. All dimensions are in millimeters.
- 7. Tolerance is ±0.10mm unless otherwise er

Part No.	SL-T3216PTB020-L233-R	Page	2 of 8
----------	-----------------------	------	--------





LIGHT ELECTRONICS CO., LTD.



Electrical Optical Characteristics at Ta=25

Parameter	Symbol	Min.	Тур.	Max.	Unit	Test Condition	
Range Of Spectral Bandwidth	0.5	780		1100	nm		
Wavelength Of Peak Sensitivity	Р		940		nm		
Collector-Emitter Breakdown Voltage	BV _{CEO}	30			V	I _C =0.1mA Ee=0mW/cm2	
Emitter-Collector Breakdown Voltage	BV _{ECO}	5			٧	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	
Rise Time	Tr		15		μs	V _{CE} =5V	
Fall Time	Tf		15		μs	I_{C} =1mA R_{L} =1000	
Viewing Angle	2 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 p=940nm	

Note:

- 1. $_{1/2}$ is the off-axis angle at which the $I_{C(ON)}$ is half the axial $I_{C(ON)}$.
- 2. The $I_{\text{C(ON)}}$ guarantee should be added $\pm 15\%$ tolerance.

Part No. SI	L-T3216PTB020-L233-R	Page	4 of 8
---------------	----------------------	------	--------

LIGHT ELECTRONICS CO., LTD.



