



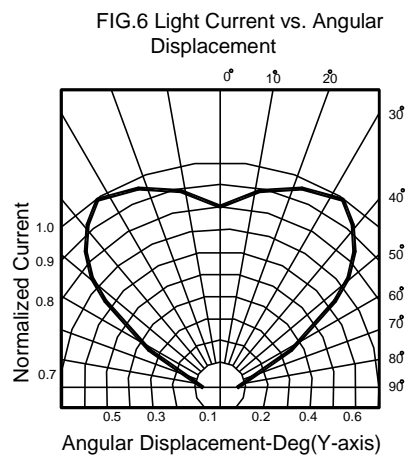
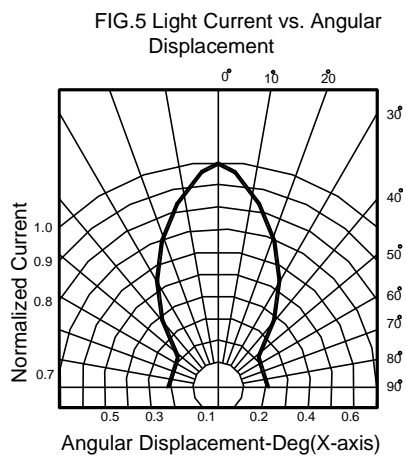
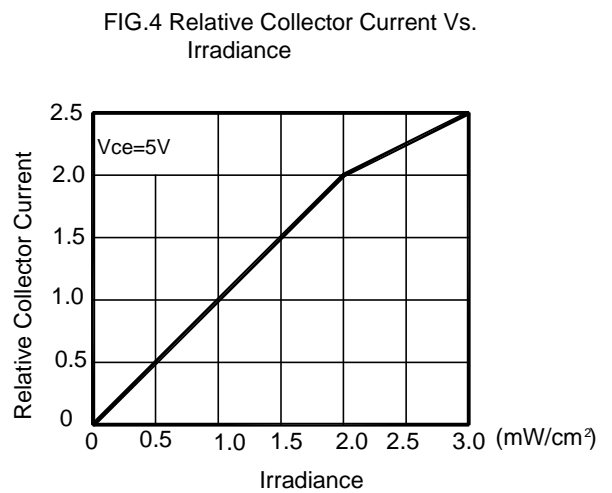
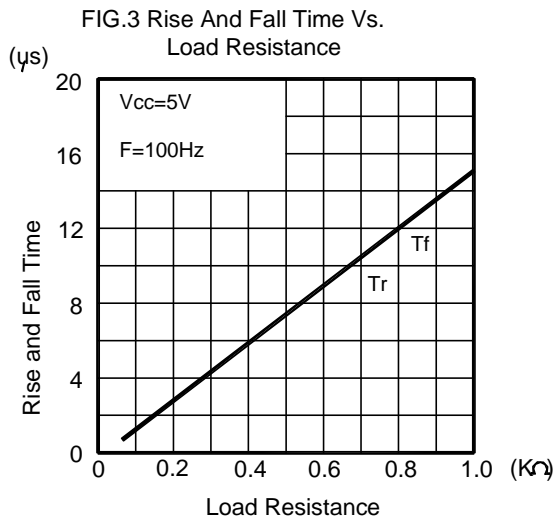
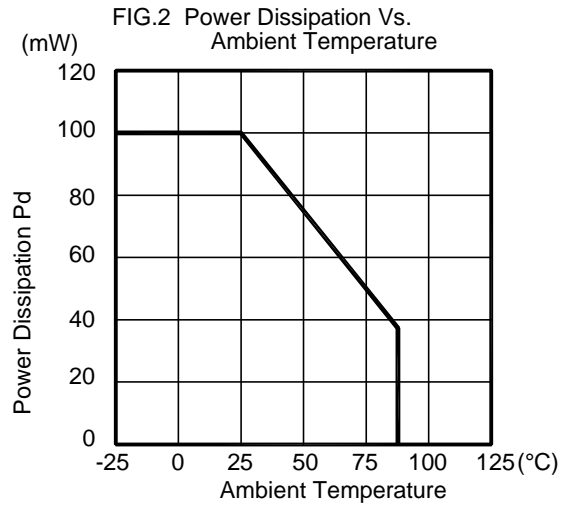
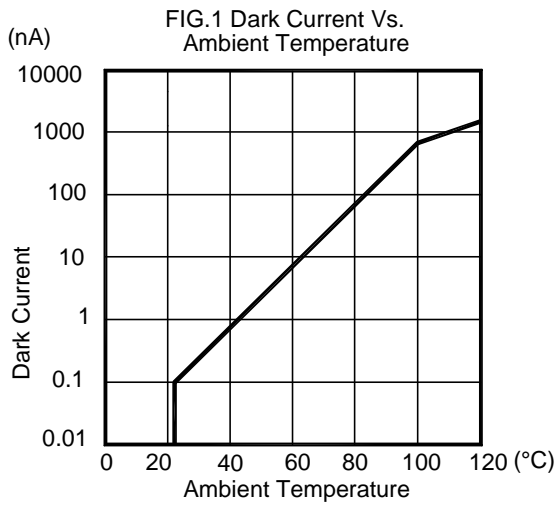
Parameter	MAX.	Unit
Power Dissipation	100	mW
Collector-Emitter Voltage	30	V
Emitter-Collector Voltage	5	V
Collector Current	50	mA

Moisture Sensitivity Level^{*1}

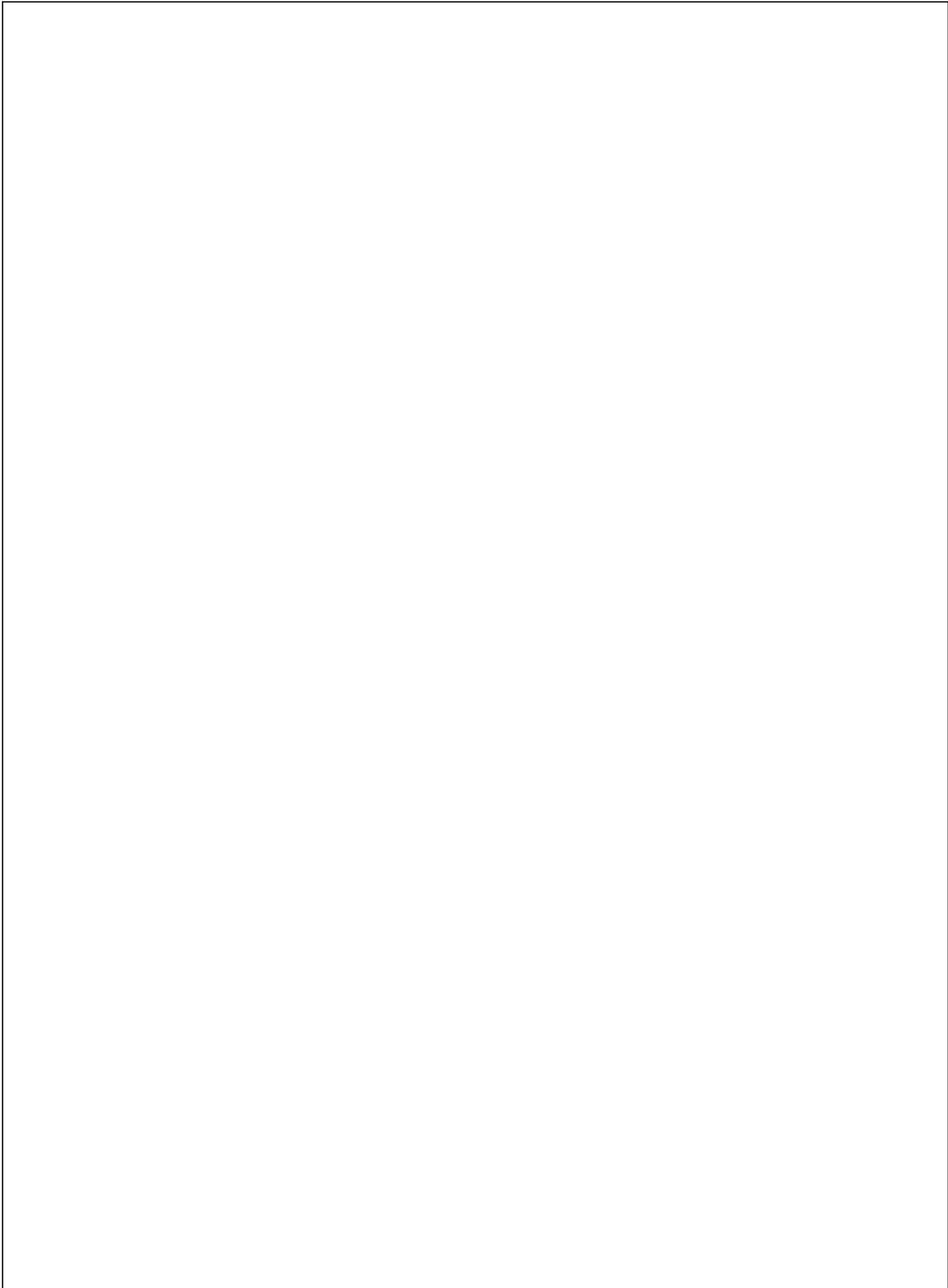
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Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
	$\lambda_{0.5}$	780	---	1100	nm	---
	λ_p	---	940	---	nm	---
Collector-Emitter Breakdown Voltage	BV_{CEO}	30	---	---	V	$I_C=0.1mA$ $E_e=0mW/cm^2$
Emitter-Collector Breakdown Voltage	BV_{ECO}	5	---	---	V	$I_E=0.1mA$ $E_e=0mW/cm^2$
Collector-Emitter Saturation Voltage	$V_{CE(SAT)}$	---	---	0.4	V	$I_C=0.1mA$ $E_e=1mW/cm^2$
Rise Time	T_r	---	15	---	s	$V_{CE}=5V$ R_L $I_C=1mA$
Fall Time	T_f	---	15	---	s	
Collector Dark Current	I_{CEO}	---	---	100	nA	$V_{CE}=10V$ $E_e=0mW/cm^2$
On State Collector Current	$I_{C(ON)}$	1.2	---	1.73	mA	$V_{CE}=5V$ $E_e=1mW/cm^2$

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



LIGHT

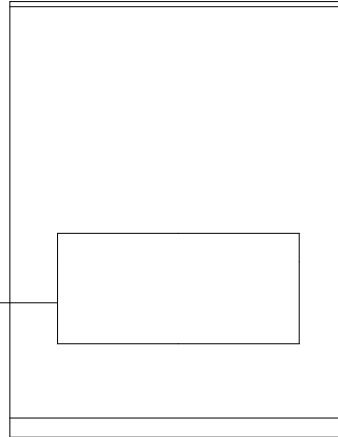


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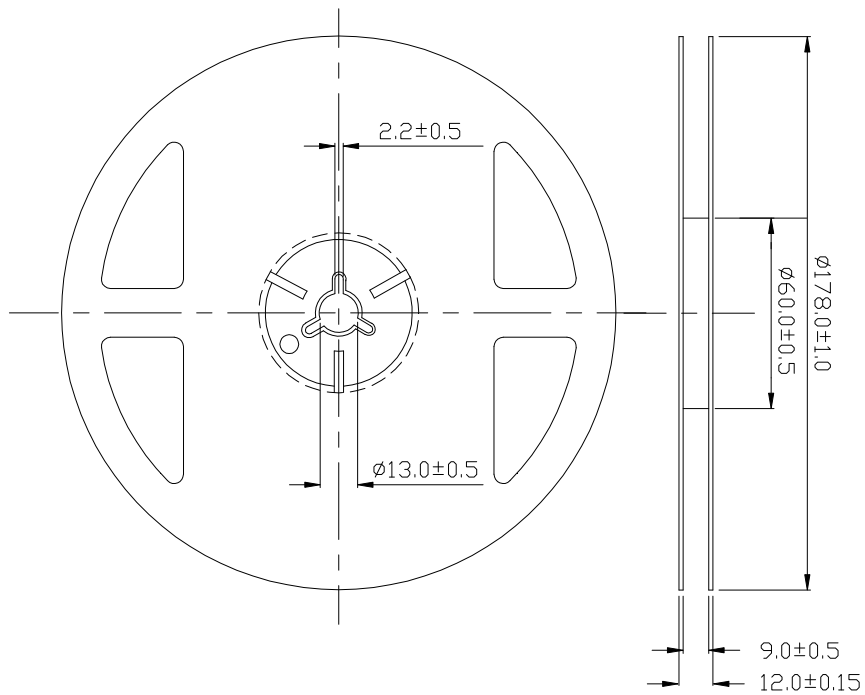
LIGHT 深圳莱特光电股份有限公司 
 Light Electronics CO., LTD.

TYPE NO. : _____
 QUANTITY : _____
 BIN : _____
 DATE CODE : _____
 REMARKS : _____

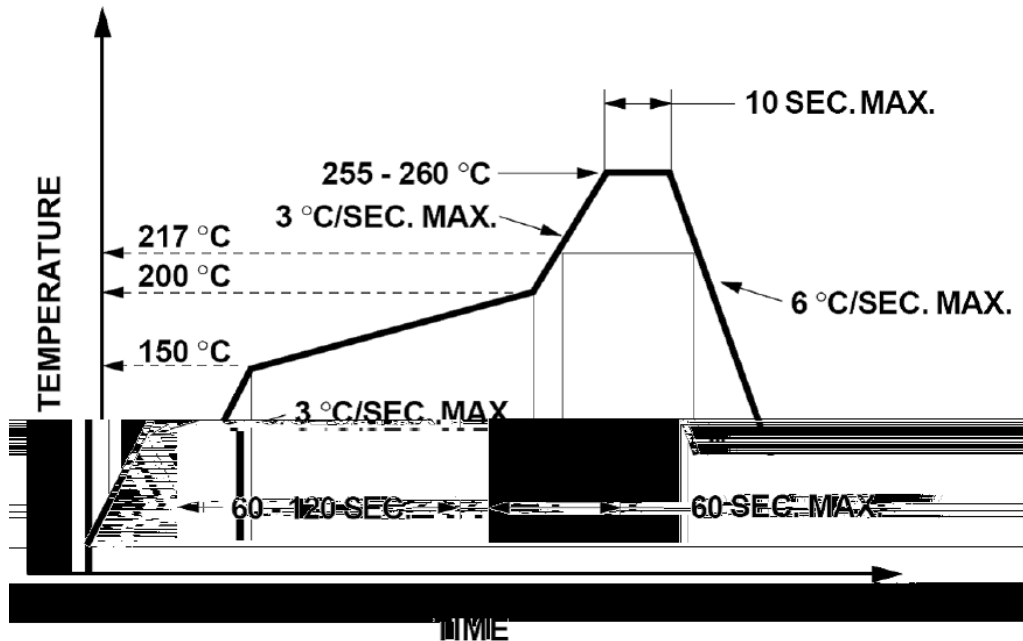
LOT NO. : 



TYPE NO./	QUANTITY/
BIN./	DATE CODE/
REMARKS/	LOT NO./



Tolerance unless mentioned is $\pm 0.2\text{mm}$; Unit = mm



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

1. When hand soldering, the temperature of the iron must less than 350°C for 3 seconds.
2. The hand solder should be done only once.

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.

