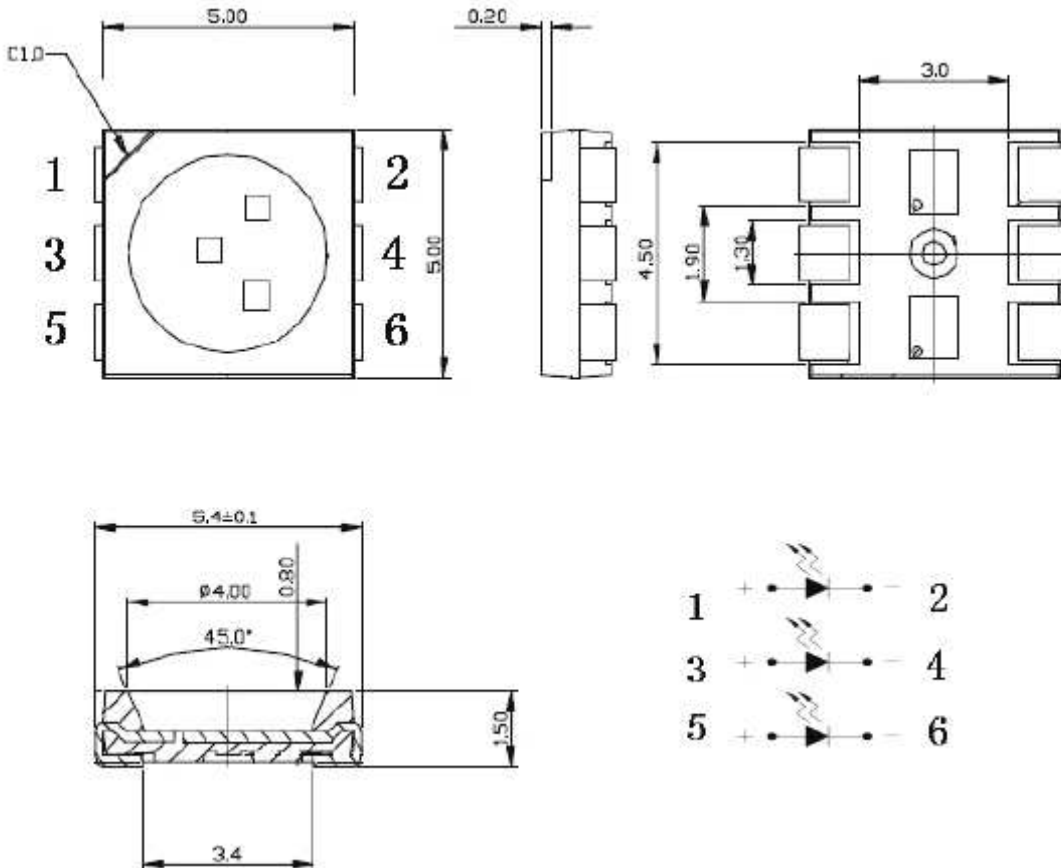




Applications

- Interior automotive lighting(dashboard backlight etc...)
- Optical indicators
- High Tech Lightning
- Security Parts
- Automotive Products

Package Dimensions (Tol. +/- 0,10mm)



Recommend Soldering Pad Dimensions (Tol. +/- 0,10mm)

Notes:					SMT PLCC6 LED Yellow		
					Part.No.	M11A5031	
All dimensions in mm tolerance is ±0.1mm unless otherwise noted.					Customer		
DRW:	Harry	CHKD	Dustin	Tolerance	Tolerance:	Date:	11.01.2011
APPD:	Jason	MATL	Wilson	John	MASON	Sheet No.	1 from 6



Absolute Maximum Ratings (Ta = 25°C)

Item-Disription	Symbol	Value	Unit
DC Forward Current	PD	300	mW
Pulse Forward Current	IFP	100	mA
Forward Current:	IFP	25	mA
Reverse Voltage:	VR	5	V
Electrostatic Discharge:	ESD	2000	V
Operating Voltage	Topr	.-40 ~ +80	°C
Storage Temperature	Tstg	.-40 ~ +100	°C
Lead Soldering Temp.	Tsol	260°C/5Sec.	---

Typical Electrical & Optical Characteristics (IF=20mA and Ta = 25°C)

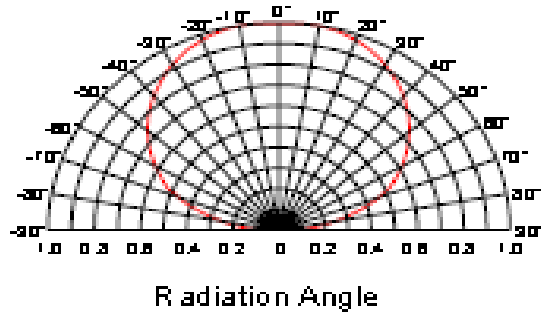
Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Luminious Intensity:	Iv	IF=20mA	2500		3500	mcd
Viewing Angle:	20 1/2	IF=20mA		120		Deg.
Peak Emission Wave.:	λ_p	IF=20mA				nm
Domi. Wavelength:	λ_d	IF=20mA	585		595	nm
Spectral Line Half-Width:	$\Delta\lambda$	IF=20mA		30	25	nm
DC Forward Voltage:	Vf	IF=20mA	1,90		2,40	V
DC Reverse Voltage:	Ir	Vr=5V			50	μ A
Color Temperature: (White)		IF=20mA				K
Chromaticity (White)	X	IF=20mA				
Coordinates: (White)	Y	IF=20mA				

Notes:

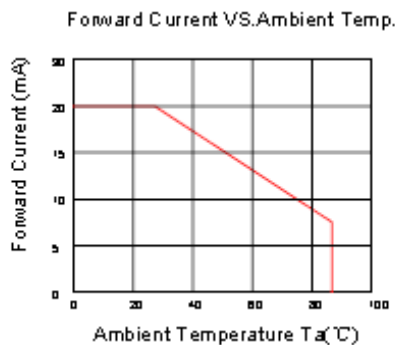
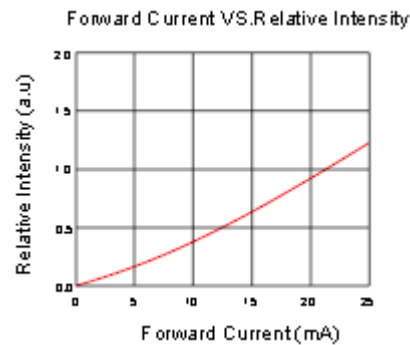
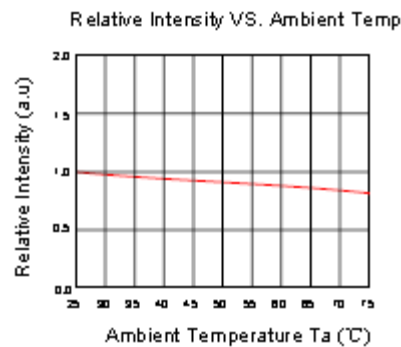
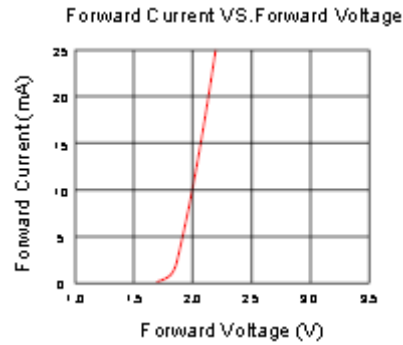
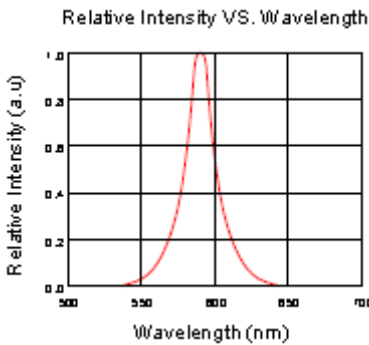
1. Tolerance of measurement of luminous intensity	: ±10%	SMT PLCC6 LED Yellow					
2. Tolerance of measurement of chromatic coordinates	: ±1nm						
3. Tolerance of measurement of forward voltage	: ±0.1V						
		Part.No.	M11A5031				
		Customer					
DRW:	Harry	CHKD	Dustin	Tolerance	Tolerance:	Date:	11.01.2011
APPD:	Jason	MATL	Wilson	John	MASON	Sheet No.	2 from 6



Diagramm of viewing angle



Electro-Optical Characteristics Curves

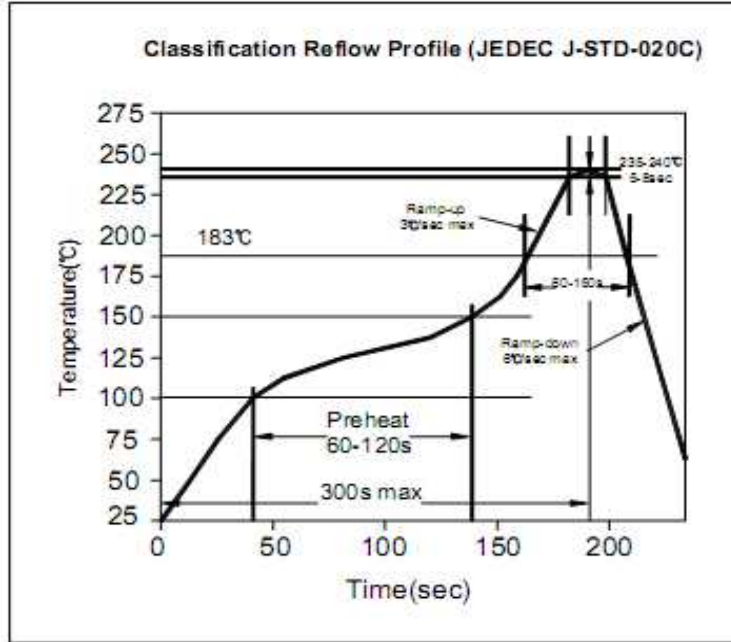


SMT PLCC6 LED Yellow	
Part.No.	M11A5031
Customer	

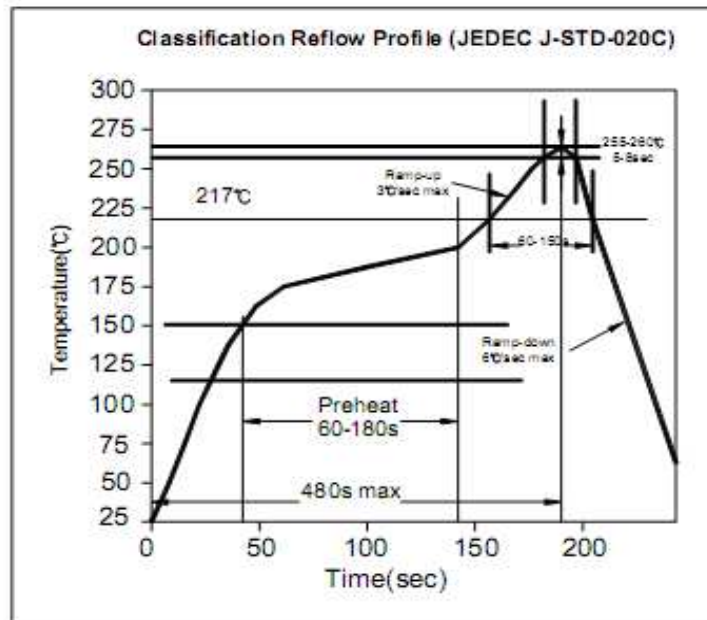
DRW:	Harry	CHKD	Dustin	Tolerance	Tolerance:	Date:	11.01.2011
APPD:	Jason	MATL	Wilson	John	MASON	Sheet No.	3 from 6



Soldering condition for Lead solder



Soldering condition for Lead free solder

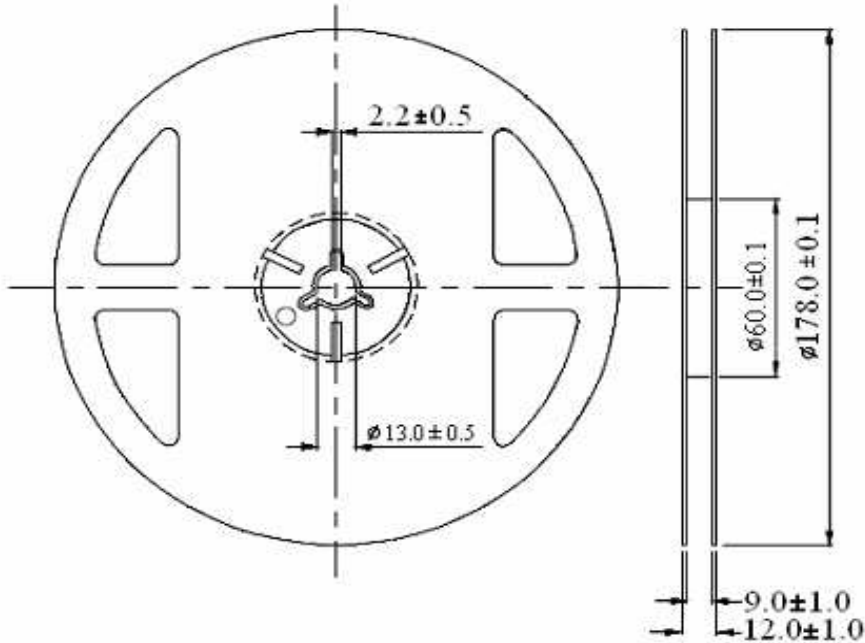


SMT PLCC6 LED Yellow	
Part.No.	M11A5031
Customer	

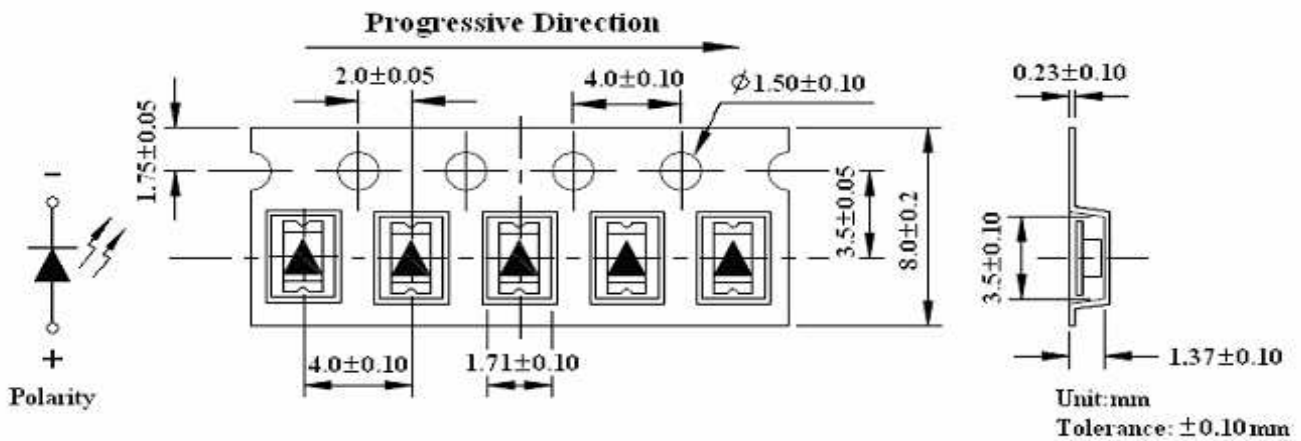
DRW:	Harry	CHKD	Dustin	Tolerance	Tolerance:	Date:	11.01.2011
APPD:	Jason	MATL	Wilson	John	MASON	Sheet No.	4 from 6



Packing specification (Antistatic Poly Bag)



Unit: mm
Tolerance: ± 0.25mm



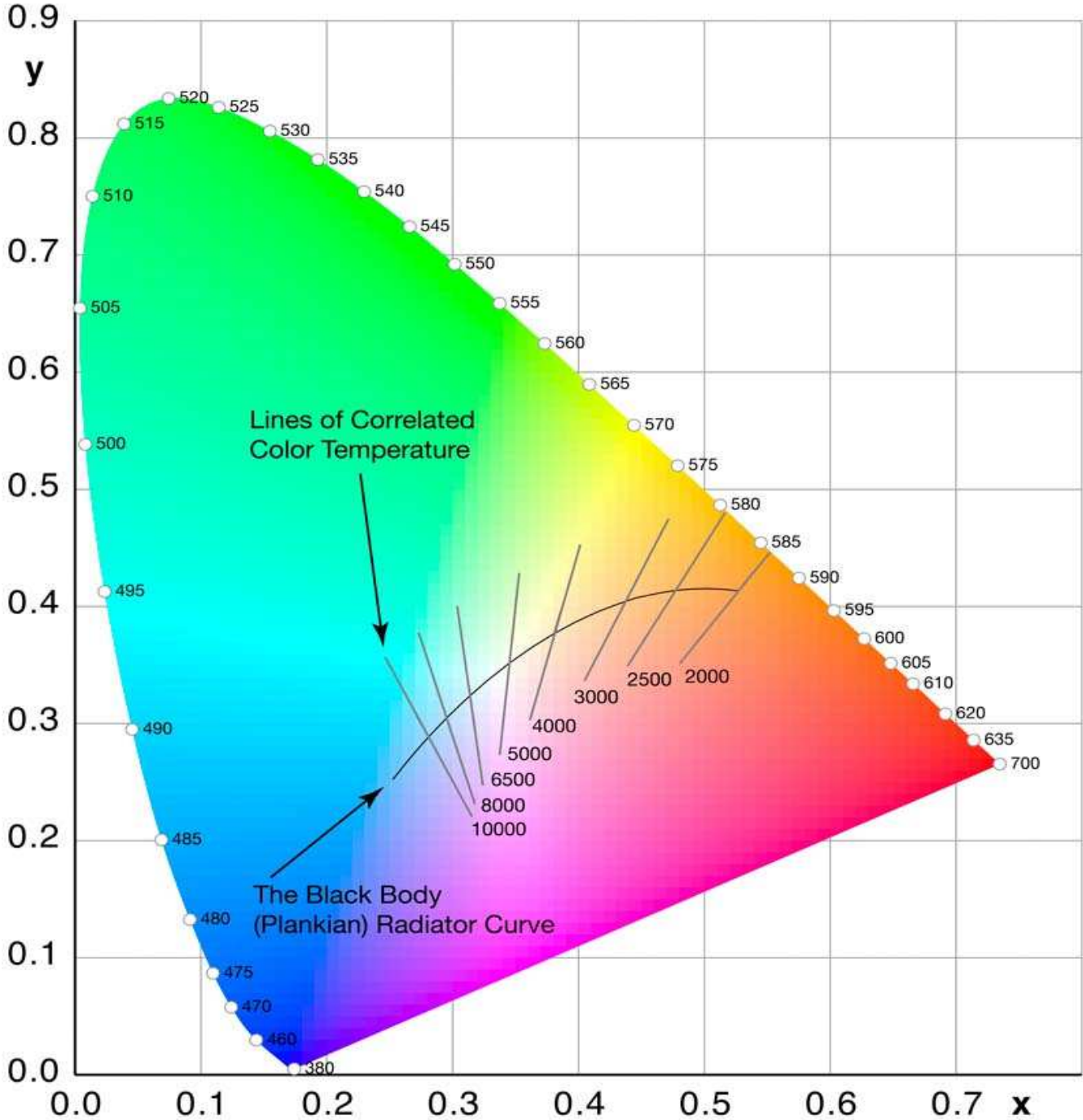
Unit: mm
Tolerance: ± 0.10mm



Quantity of Reel (2000PCS Normal) other Packing Specifications available					SMT PLCC6 LED Yellow		
					Part.No.	M11A5031	
					Customer		
DRW:	Harry	CHKD	Dustin	Tolerance	Tolerance:	Date:	11.01.2011
APPD:	Jason	MATL	Wilson	John	MASON	Sheet No.	5 from 6



Color table curve



SMT PLCC6 LED Yellow

Part.No.	M11A5031
Customer	

DRW:	Harry	CHKD	Dustin	Tolerance	Tolerance:	Date:	11.01.2011
APPD:	Jason	MATL	Wilson	John	MASON	Sheet No.	6 from 6