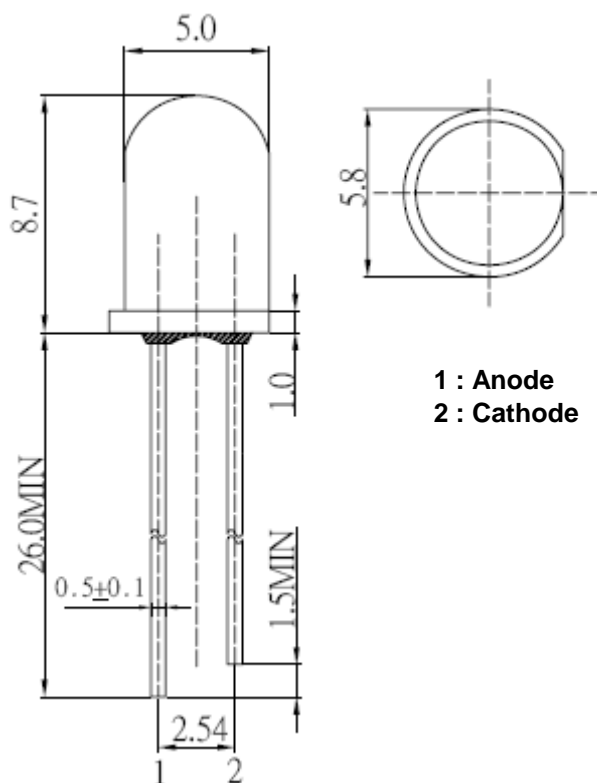




**Applications**

- Electronic Signs and Signals
- Small Area Illuminations
  - Back Lighting
  - Other Lighting

**Technical Drawing**



1 : Anode  
 2 : Cathode

**Notes :**

All dimensions in mm tolerance is ± 0.1mm unless otherwise noted.

<b>Round Blinking LED</b>		
<b>Red</b>	<b>Blue</b>	<b>Green</b>
Part No.:		<b>M13J6001</b>
Customer:		

DRW:	Ron	CHKD	Lang	MATL:	Chang	DATE	05.12.2009
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**Absolute Maximum Ratings**

Ta=25°C

Item	Symbol	---	---	Unit
Power Dissipation	P <sub>D</sub>		---	mW
DC Forward Current	I <sub>F</sub>		---	mA
Pulsed Forward Current	I <sub>FP</sub> *		---	mA
Reverse Voltage	V <sub>R</sub>		5	V
Operating Temperature	T <sub>OP</sub>		-30 to 85	°C
Storage Temperature	T <sub>ST</sub>		-40 to 100	°C
Derating Linear From 50°C	---		---	mA / °C

\* 0.1 msec pulse, 10% duty cycle

**Electrcal / Optical Characteristics**

I<sub>F</sub>=20mA Ta=25°C

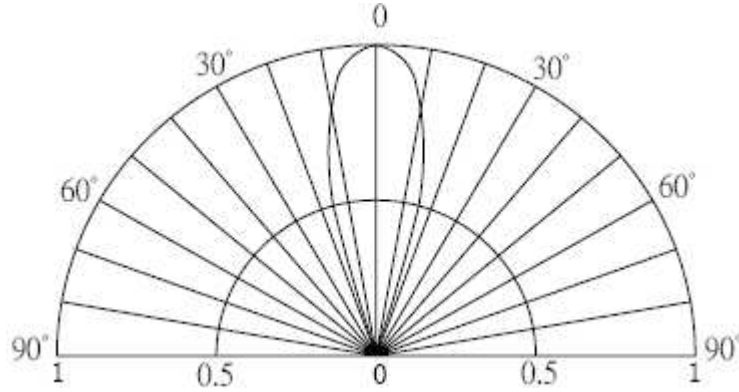
Ermitting Color	Red		Blue	Green	
Material	---		---	---	
Forward Voltage	typ.	4.5	4.5	4.5	V <sub>F</sub>
	max.	5.0	5.0	5.0	V <sub>F</sub>
Wavelength typ.	λ <sub>D</sub>	620	465	520	nm
	λ <sub>P</sub>	625	470	525	nm
	Δλ	---	---	---	nm
Oscillator Frequency	min.	---	---	---	Hz
	typ.	33	33	33	Hz
	max.	---	---	---	Hz
Duty Cycle	typ.	---	---	---	---
Luminous Intensity *	min.	7000	3000	12000	mcd
	typ.	8400	4000	14400	mcd
Reverse Current	max.		---		μA
Viewing Angle	2Θ1/2		30		

<b>Round Blinking LED</b>		
<b>Red</b>	<b>Blue</b>	<b>Green</b>
Part No.:		<b>M13J6001</b>
Customer:		

DRW:	Ron	CHKD	Lang	MATL:	Chang	DATE	05.12.2009
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**Directive Characteristics**

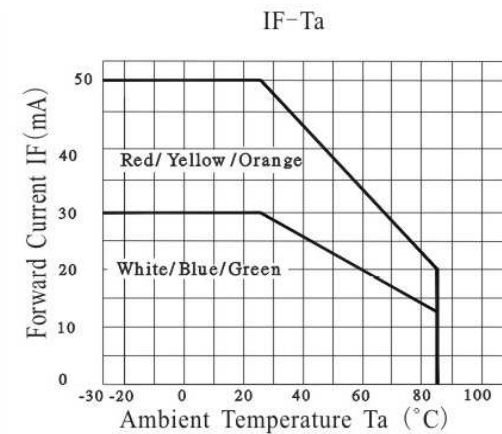
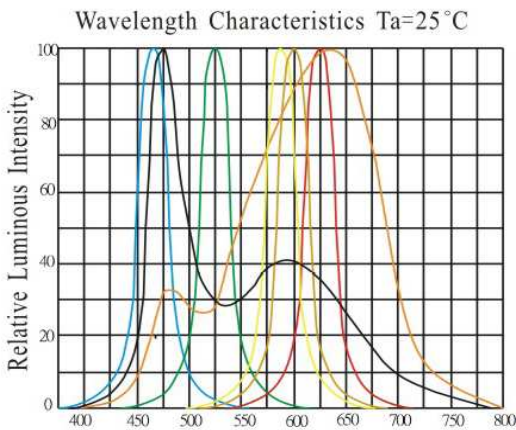
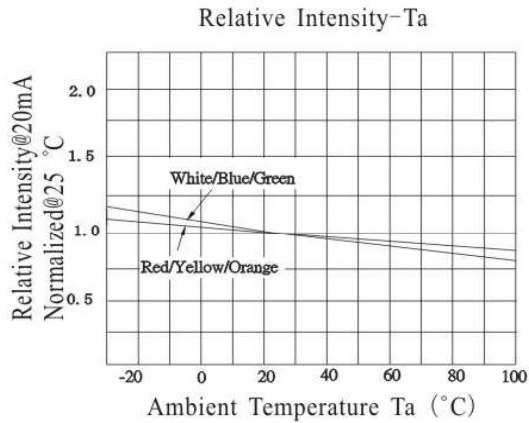
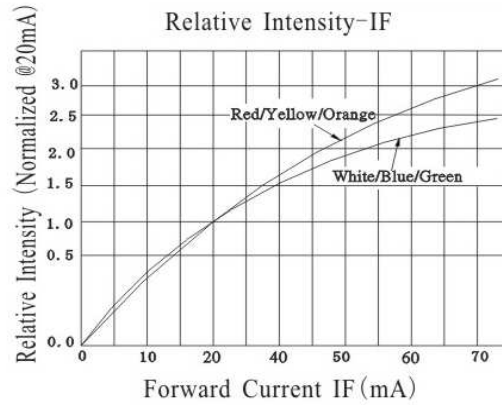
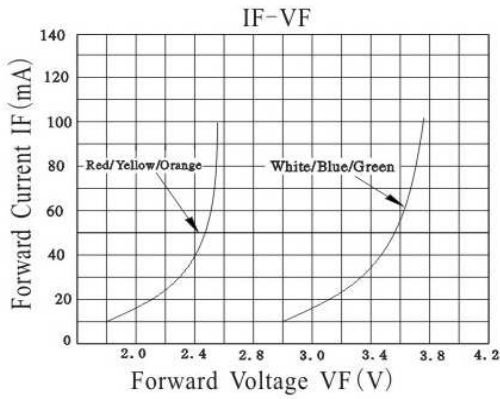


<b>Round Blinking LED</b>		
<b>Red</b>	<b>Blue</b>	<b>Green</b>
Part No.:		<b>M13J6001</b>
Customer:		

DRW:	Ron	CHKD	Lang	MATL:	Chang	DATE	05.12.2009
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**Typical Characteristics**



<b>Round Blinking LED</b>		
<b>Red</b>	<b>Blue</b>	<b>Green</b>
Part No.:		<b>M13J6001</b>
Customer:		

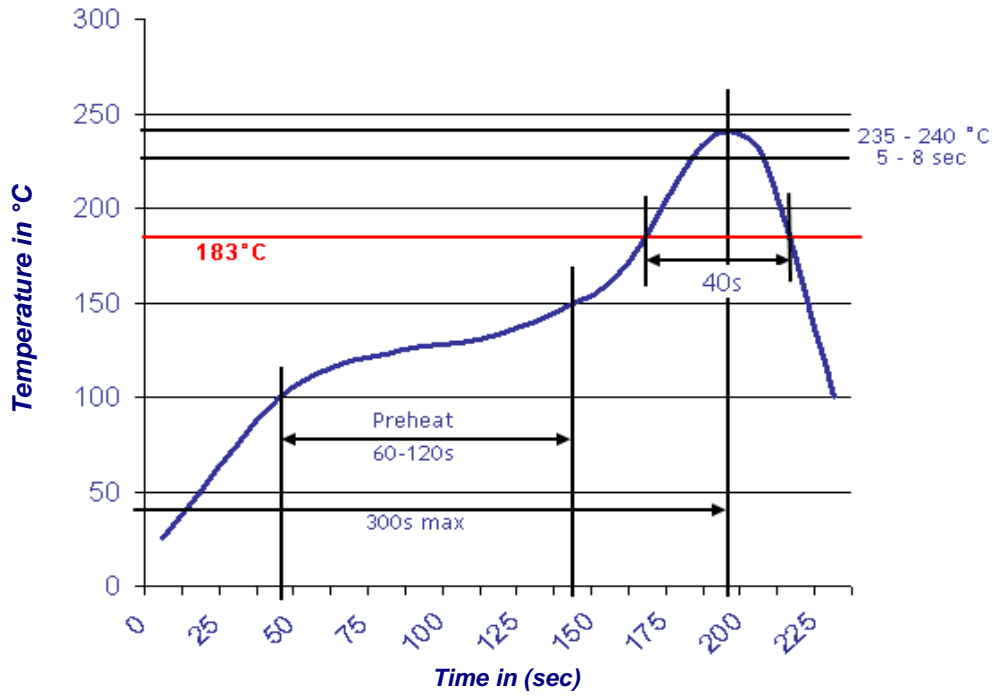
DRW:	Ron	CHKD	Lang	MATL:	Chang	DATE	05.12.2009
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**Solder Condition**

**Lead Free Solder**

**Classification Reflow Profile (JEDEC J-STD-020C)**

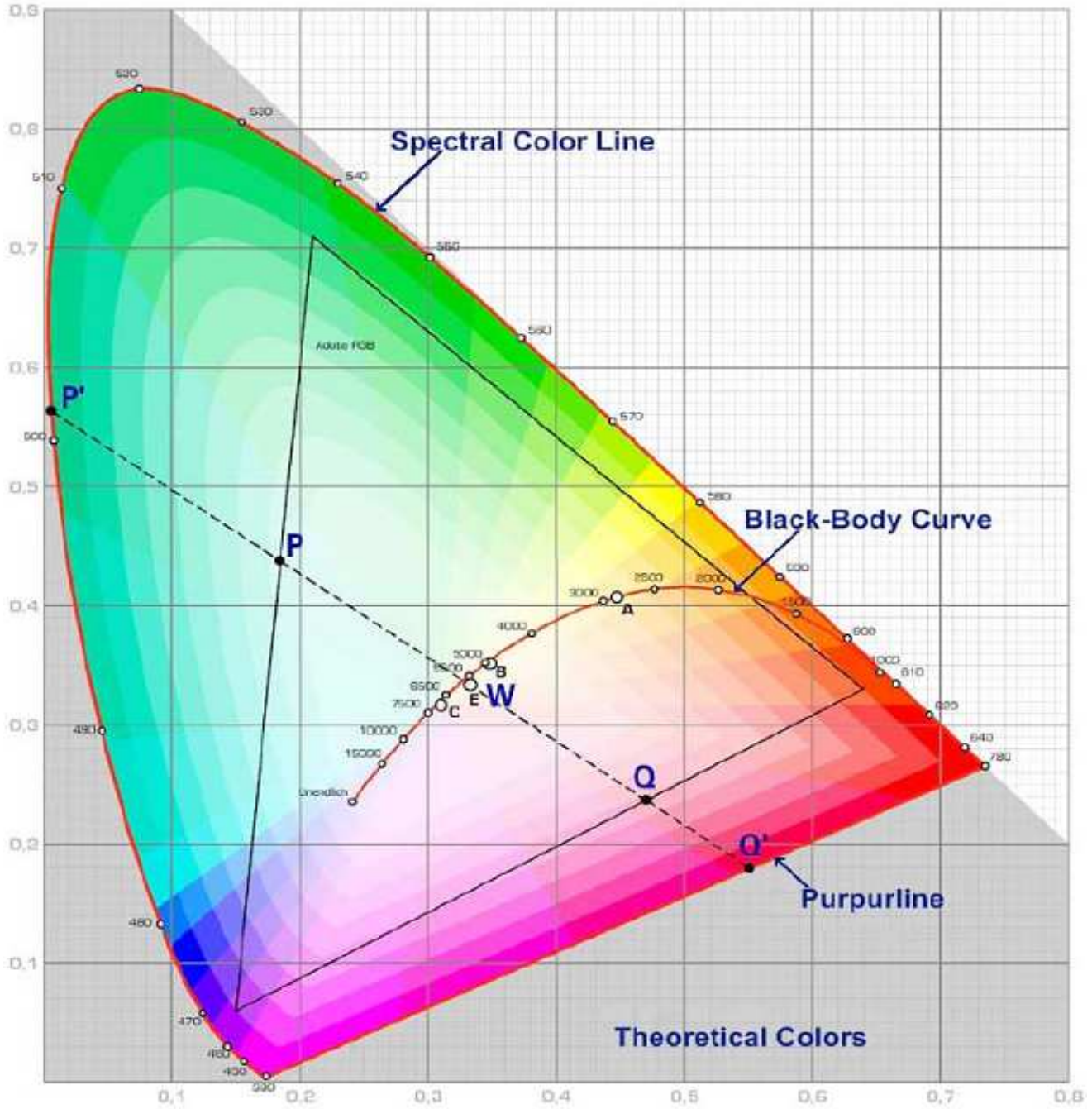


<b>Round Blinking LED</b>	
<b>Red</b>	<b>Blue</b>
<b>Green</b>	
Part No.:	<b>M13J6001</b>
Customer:	

DRW:	Ron	CHKD	Lang	MATL:	Chang	DATE	05.12.2009
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**Color table curve**



<b>Round Blinking LED</b>		
<b>Red</b>	<b>Blue</b>	<b>Green</b>
Part No.:		<b>M13J6001</b>
Customer:		

DRW:	Ron	CHKD	Lang	MATL:	Chang	DATE	05.12.2009
APPD:	Xie			FINISH	Wang	Sheet	6 from 6