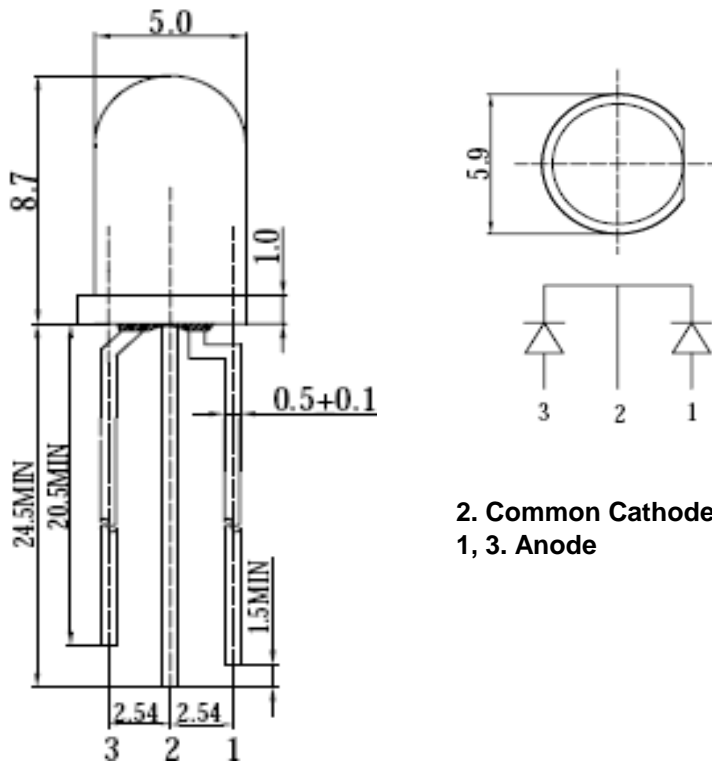




Applications

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

Technical Drawing



2. Common Cathode
 1, 3. Anode

Notes :

All dimensions in mm tolerance is $\pm 0.1\text{mm}$ unless otherwise noted.

Round LED	
Red	Blue
Part No.:	M13J1001
Customer:	

DRW:	Ron	CHKD	Lang	MATL:	Chang	DATE	01.07.2010
APPD:	Xie			FINISH	Wang	Sheet	1 from 6



Absolute Maximum Ratings

Item	Symbol	---	---	Unit
Power Dissipation	P _D	78	108	mW
DC Forward Current	I _F	30	30	mA
Pulsed Forward Current	I _{FP} *	100	100	mA
Reverse Voltage	V _R	5		V
Operating Temperature	T _{OP}	-30 to 85		°C
Storage Temperature	T _{ST}	-40 to 100		°C

* 0.1 msec pulse, 10% duty cycle

Electrcal / Optical Characteristics

Ermitting Color	Red		Blue	
	---		---	
Material	---		---	
Forward Voltage	typ.	2.1	3.1	V _F
	max.	2.6	3.6	V _F
Wavelength typ.	λ _D	620	465	nm
	λ _P	625	470	nm
	Δλ	---	---	nm
Color Temperature	min.	---	---	K
	max.	---	---	K
Luminous Intensity *	min.	7000	3000	mcd
	typ.	8000	4000	mcd
Reverse Current	max.	10		μA
Viewing Angle	2Θ1/2	30		

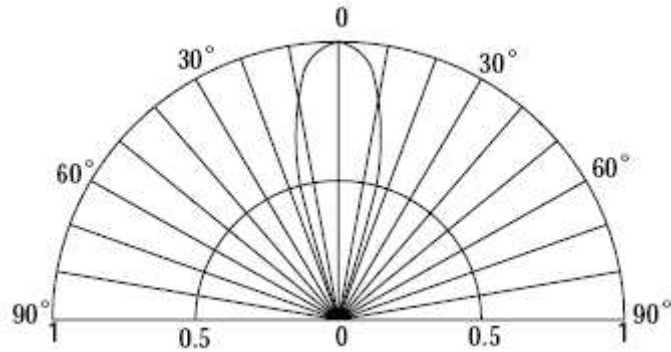
* Per NIST standards

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APPD:	Xie			FINISH	Wang	Sheet	2 from 6



Directive Characteristics

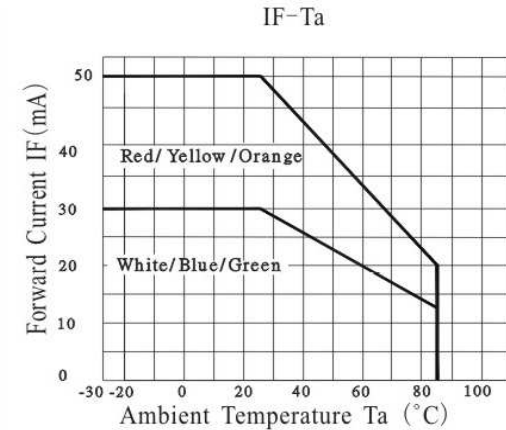
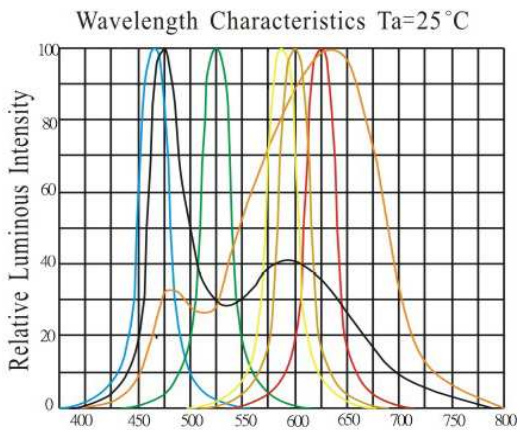
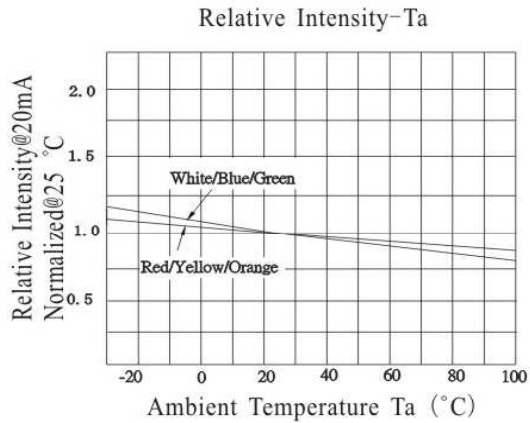
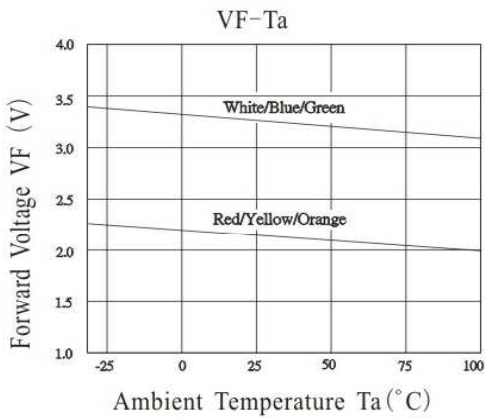
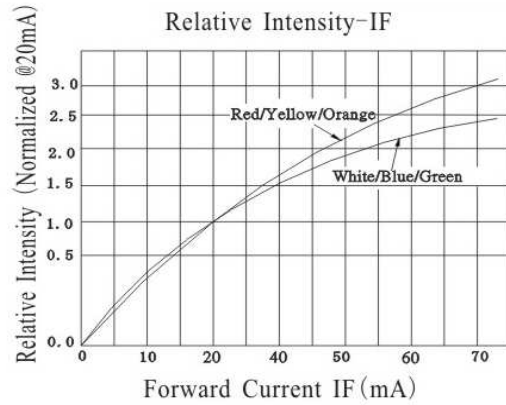
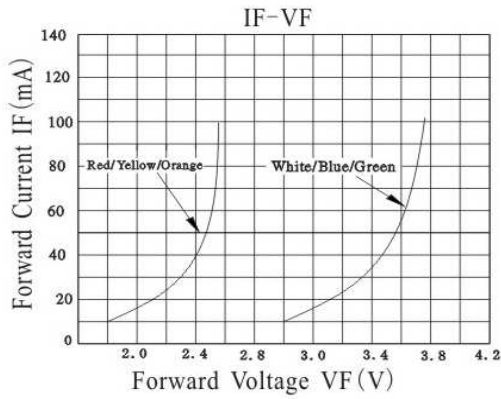


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APPD:	Xie			FINISH	Wang	Sheet	3 from 6



Typical Characteristics



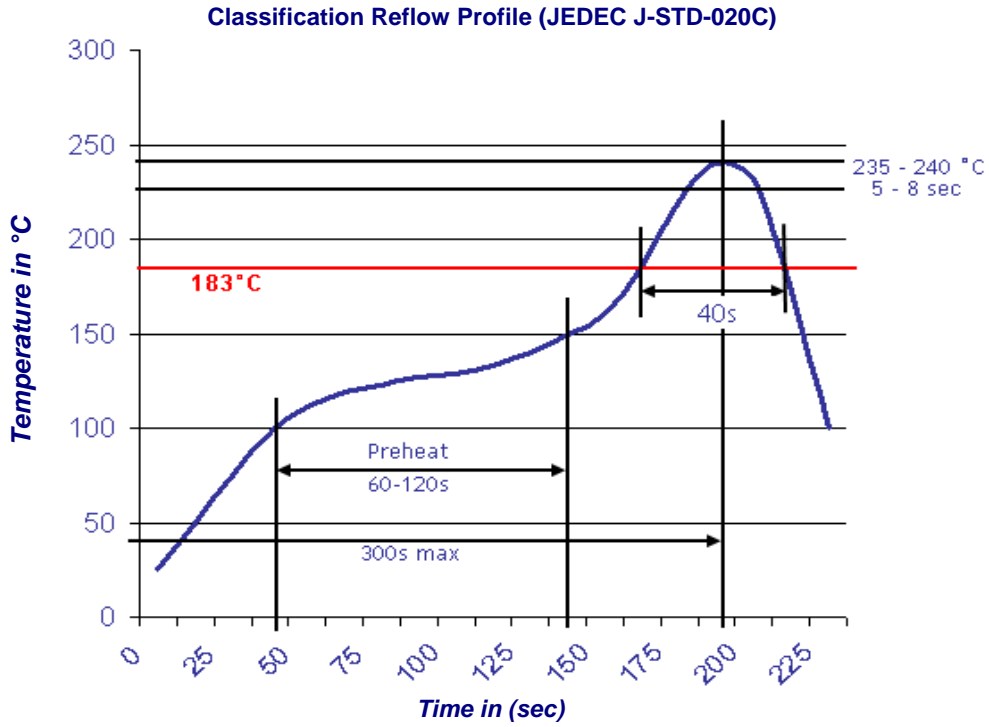
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APPD:	Xie			FINISH	Wang	Sheet	4 from 6



Solder Condition

Lead Free Solder

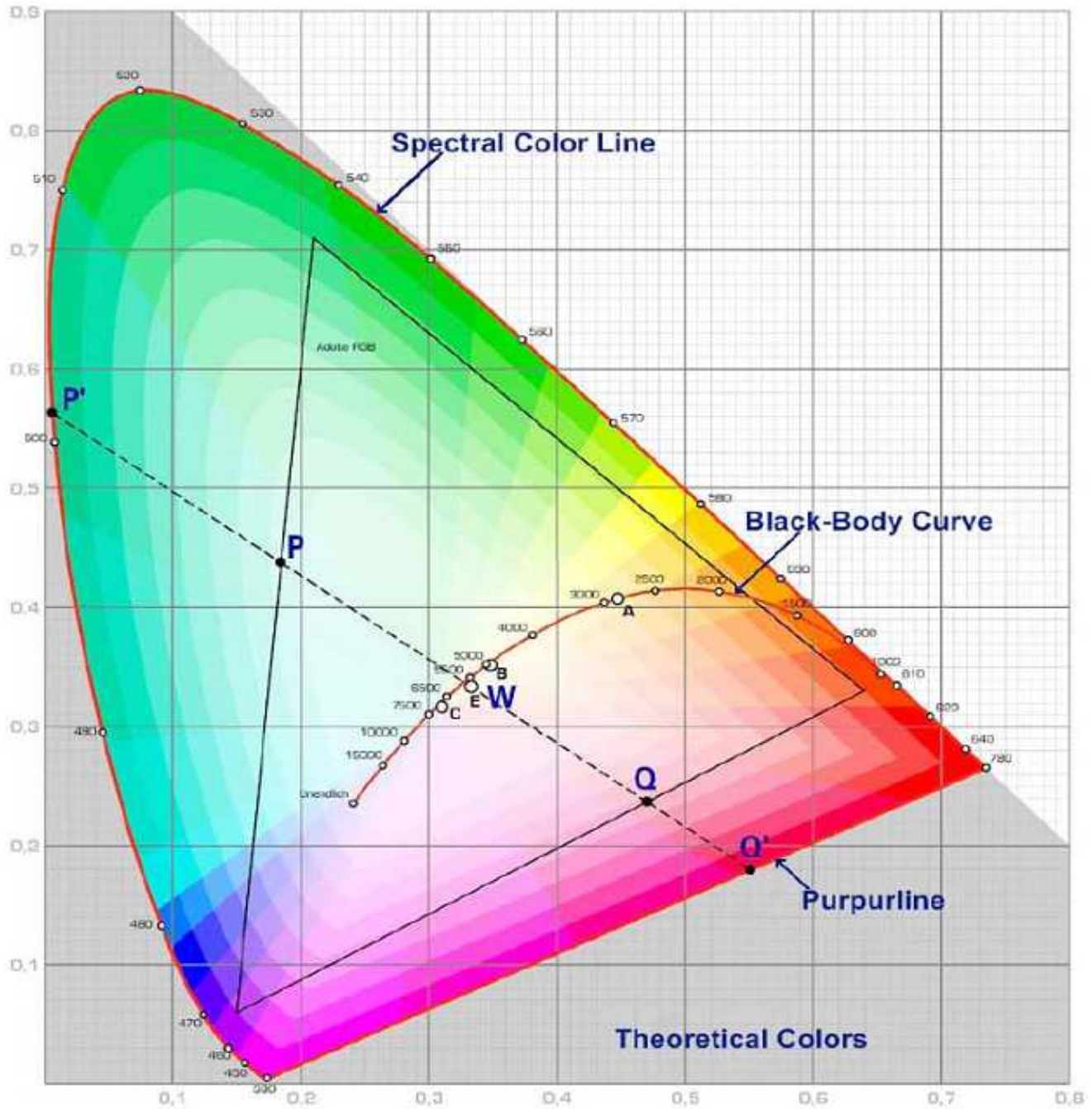


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APPD:	Xie			FINISH	Wang	Sheet	5 from 6



Color table curve



Round LED	
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APPD:	Xie			FINISH	Wang	Sheet	6 from 6