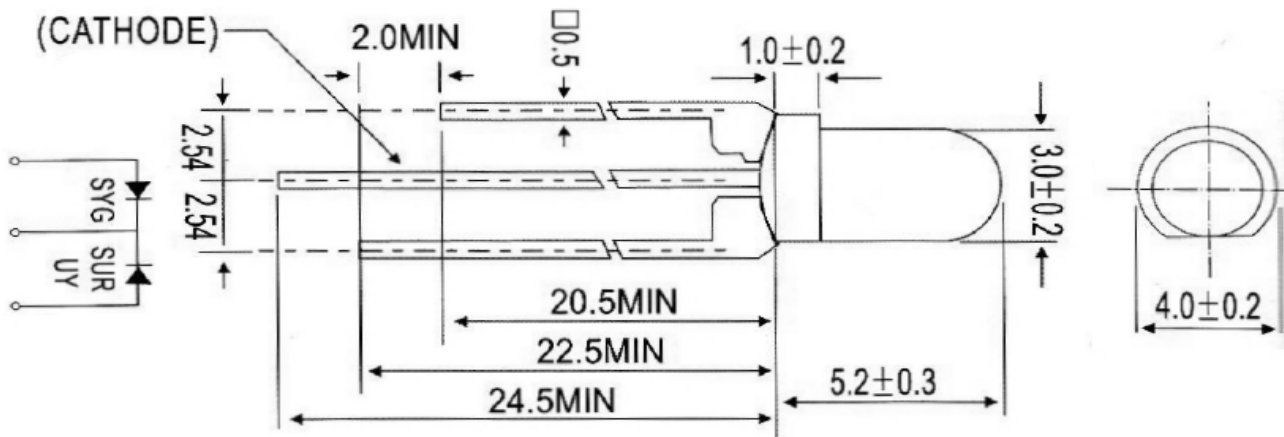




Applications

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

Technical Drawing



Notes :

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

Round LED	
Red	Yellow Green
Part No.:	M13G9007
Customer:	

DRW:	Ron	CHKD	Lang	MATL:	Chang	DATE	01.07.2010
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Absolute Maximum Ratings

Item	Symbol	---	---	Unit
Power Dissipation	P _D		78	mW
DC Forward Current	I _F		30	mA
Pulsed Forward Current	I _{FP} *		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

Electrical / Optical Characteristics

Emitting Color	Red		Yellow Green	
	Material	---	---	---
Forward Voltage	typ.	2.1	2.1	V _F
	max.	2.6	2.6	V _F
Wavelength typ.	λ _D	620	565	nm
	λ _P	625	570	nm
	Δλ	---	---	nm
Color Temperature	min.	---	---	K
	max.	---	---	K
Luminous Intensity *	min.	330	330	mcd
	typ.	550	400	mcd
Reverse Current	max.		10	μA
Viewing Angle	2Θ _{1/2}		30	

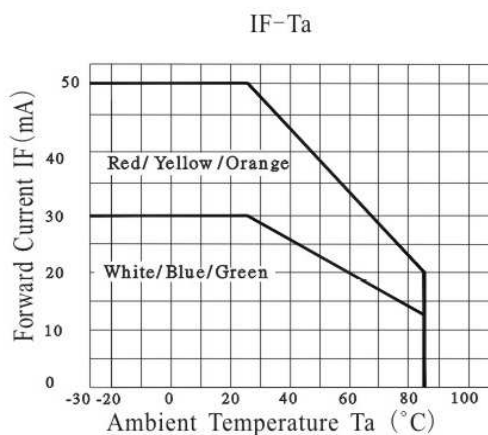
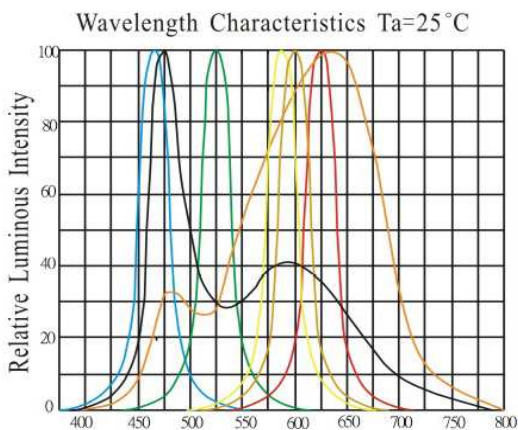
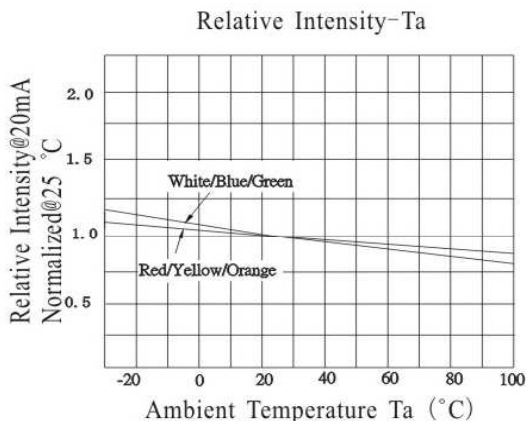
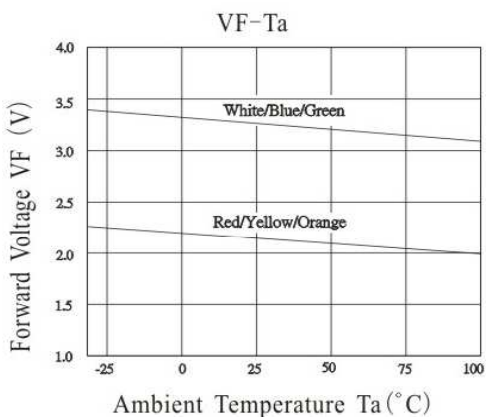
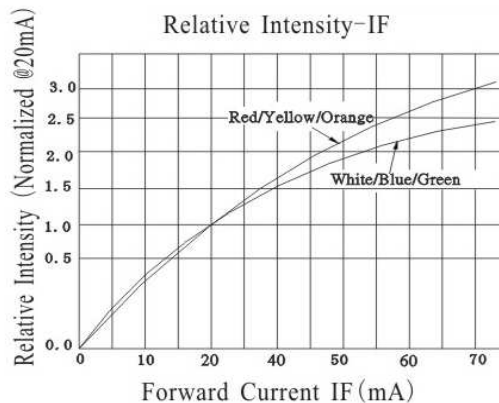
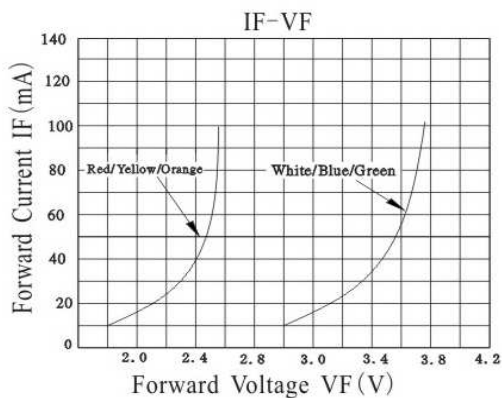
* Per NIST standards

Round LED	
Red	Yellow Green
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Typical Characteristics



Round LED	
Red	Yellow Green
Part No.:	M13G9007
Customer:	

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Curve

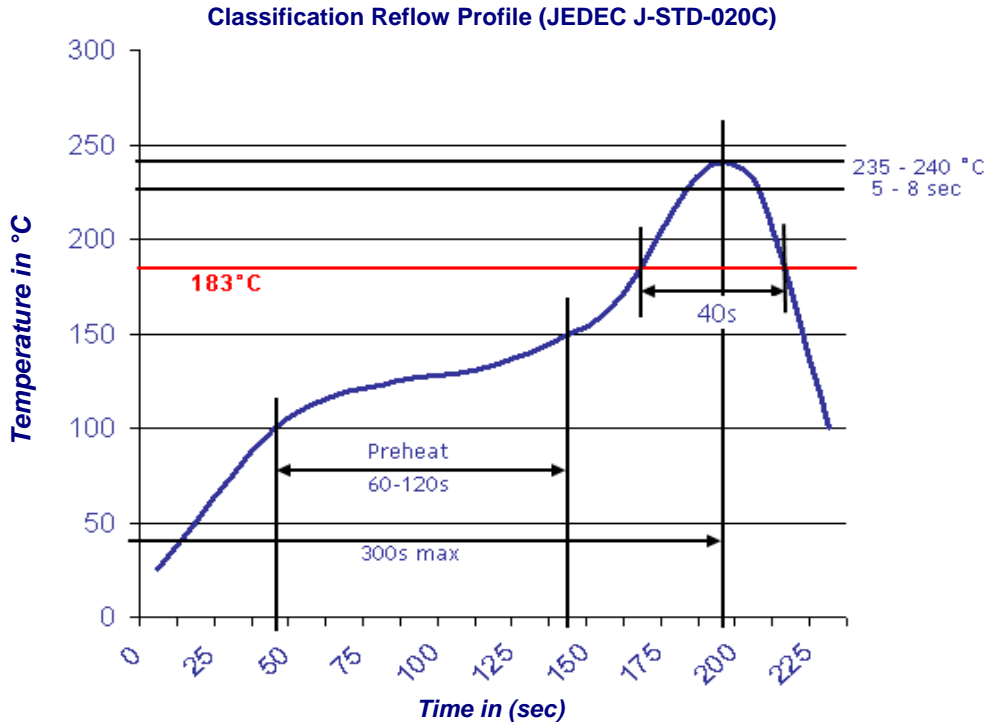
Round LED <i>Red</i> <i>Yellow Green</i>	
Part No.:	M13G9007
Customer:	

DRW:	Ron	CHKD	Lang	MATL:	Chang	DATE	01.07.2010
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Solder Condition

Lead Free Solder

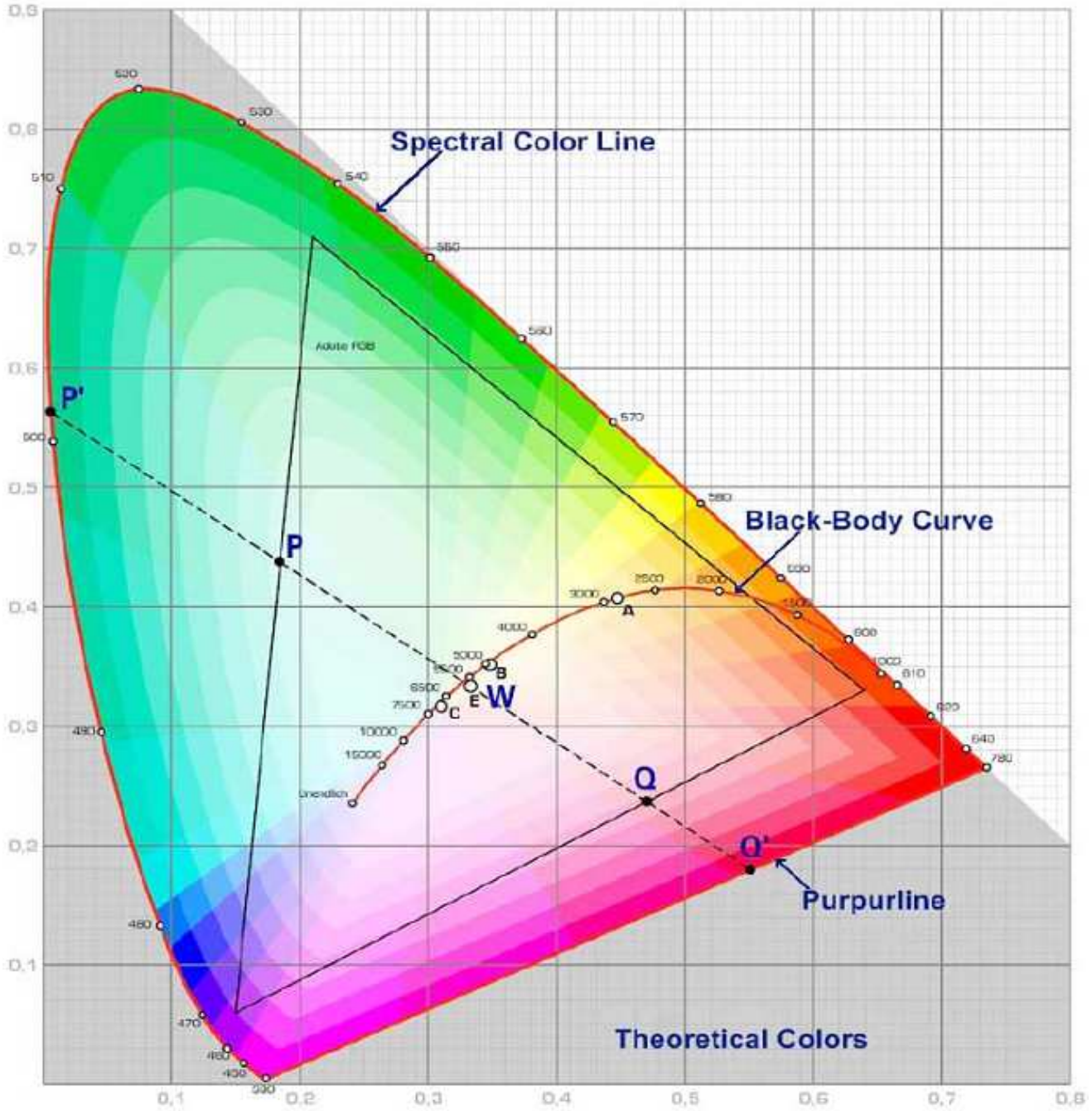


Round LED	
Red	Yellow Green
Part No.:	M13G9007
Customer:	

DRW:	Ron	CHKD	Lang	MATL:	Chang	DATE	01.07.2010
APPD:	Xie			FINISH	Wang	Sheet	5 from 6



Color table curve



Round LED	
Red	Yellow Green
Part No.:	M13G9007
Customer:	

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