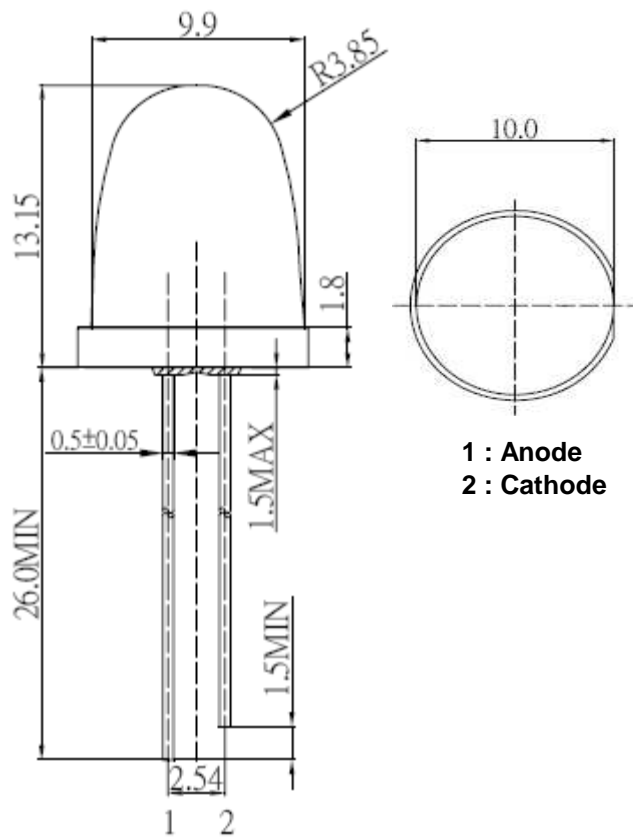




Applications

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

Technical Drawing



1 : Anode
 2 : Cathode

Notes :

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

Bullet LED White	
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Absolute Maximum Ratings

Ta=25°C

Item	Symbol	---	Unit
Power Dissipation	P _D	108	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

I_F=20mA Ta=25°C

Ermitting Color	White		
Material	---		
Forward Voltage	typ.	3.1	V _F
	max.	3.6	V _F
Wavelength typ.	λ _D	x = 0.27 y = 0.28	nm
	λ _P	---	nm
	Δλ	---	nm
Color Temperature	min.	---	K
	max.	---	K
Luminous Intensity *	min.	85000	mcd
	typ.	100000	mcd
Reverse Current	max.	10	μA
Viewing Angle	2θ _{1/2}	8	

* Per NIST standards

Bullet LED
White

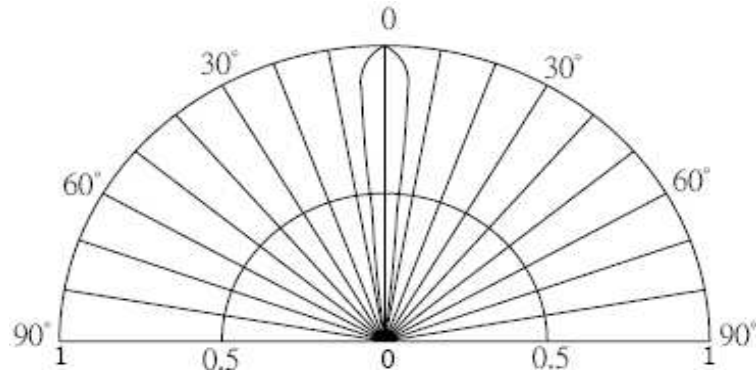
Part No.: **M13B4013**

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Directive Characteristics



**Bullet LED
White**

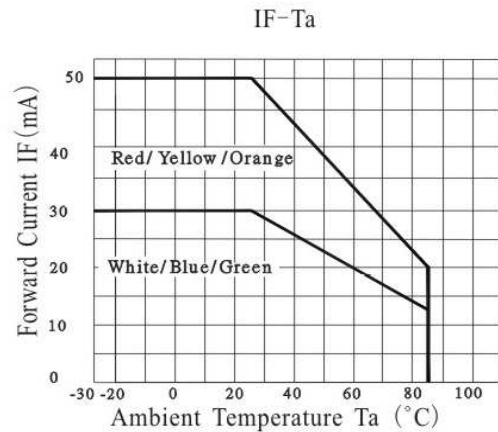
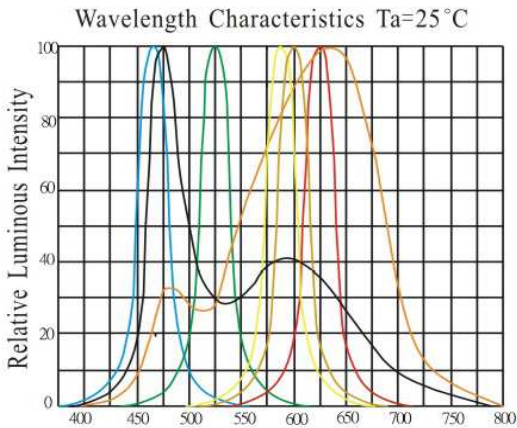
Part No.: **M13B4013**

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Typical Characteristics



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Solder Condition

Lead Free Solder

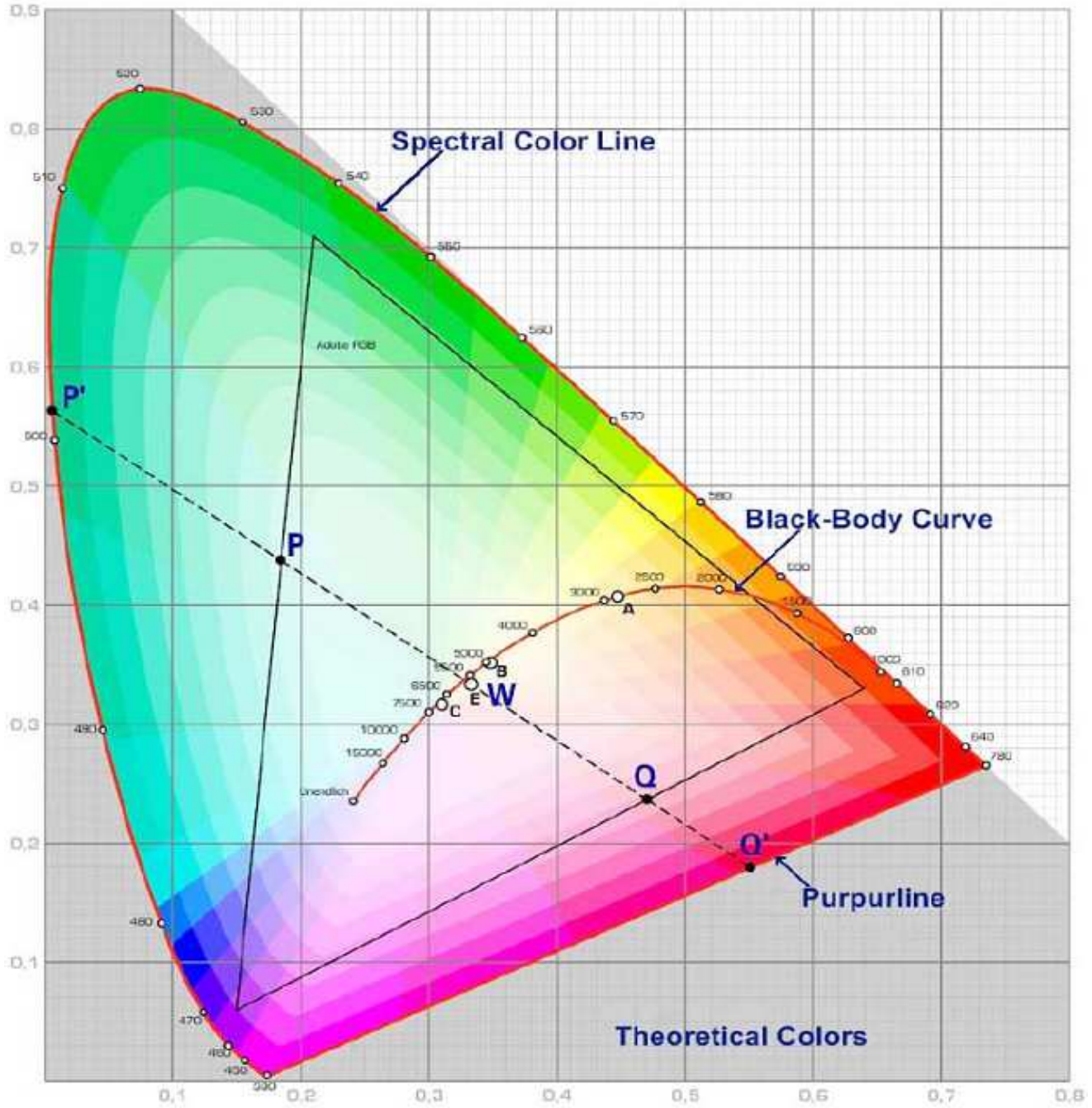


Bullet LED White	
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Color table curve



Bullet LED White	
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