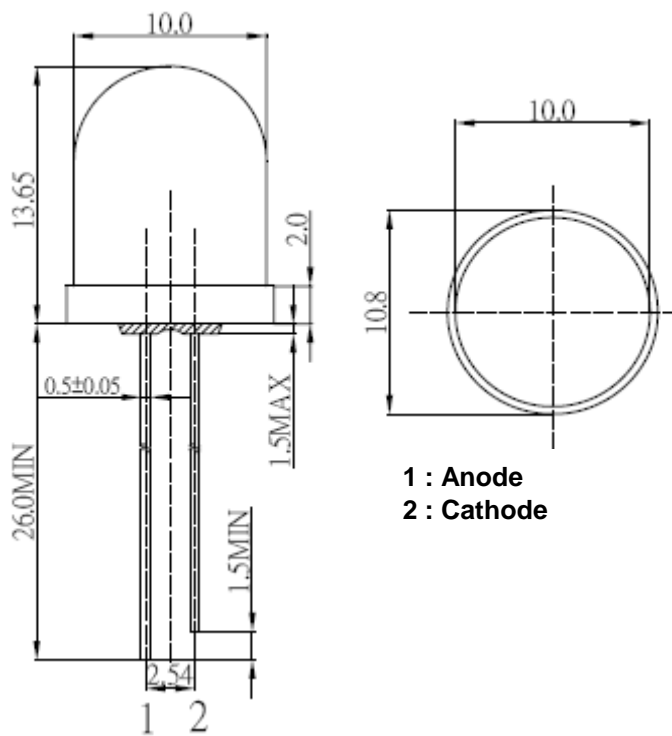




Applications

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

Technical Drawing



Notes :

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

Round LED Red	
Part No.:	M13B1024
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Absolute Maximum Ratings

Ta=25°C

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

Electrcal / Optical Characteristics

Ermitting Color	Red		
Material	---		
Forward Voltage	typ.	2.1	V _F
	max.	2.6	V _F
Wavelength typ.	λ _D	620 ~ 630	nm
	λ _P	---	nm
	Δλ	---	nm
Color Temperature	min.	---	K
	max.	---	K
Luminous Intensity *	min.	4200	mcd
	typ.	6000	mcd
Reverse Current	max.	---	μA
Viewing Angle	2Θ _{1/2}	30	

* Per NIST standards

Round LED
Red

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Directive Characteristics

**Round LED
Red**

Part No.: **M13B1024**

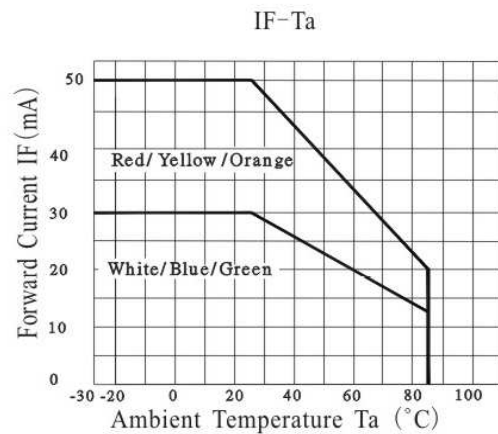
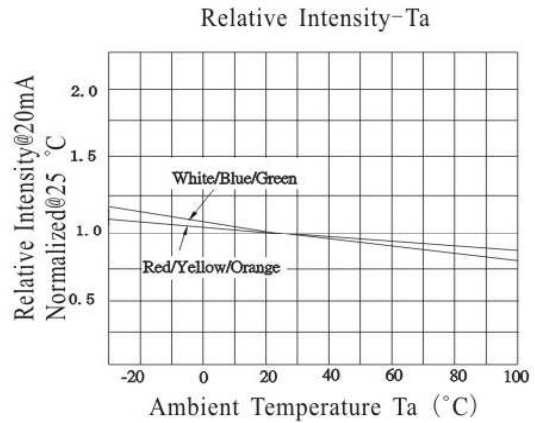
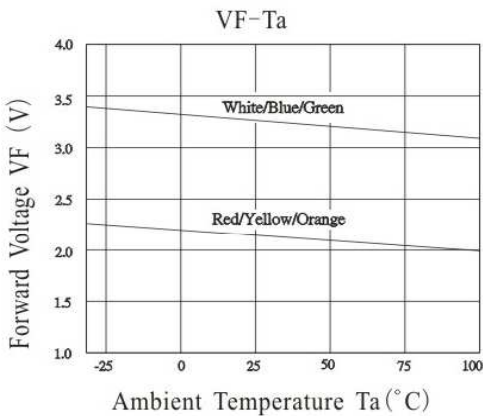
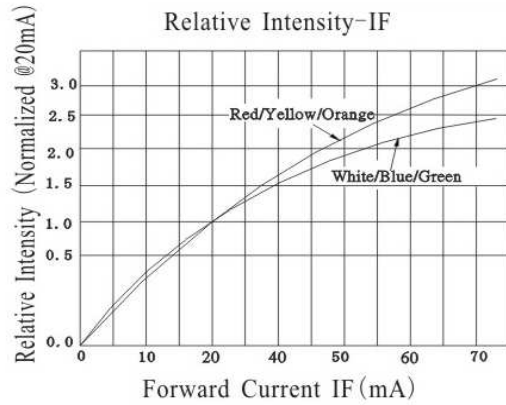
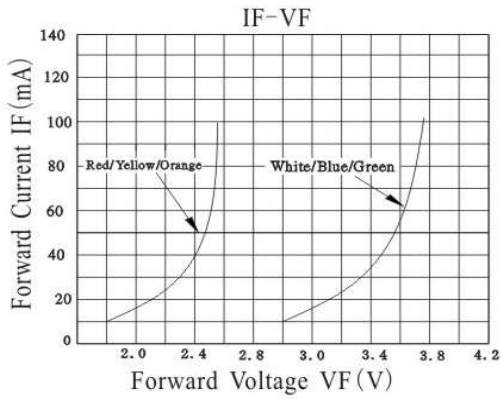
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Typical Characteristics



Round LED Red	
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Solder Condition

Lead Free Solder

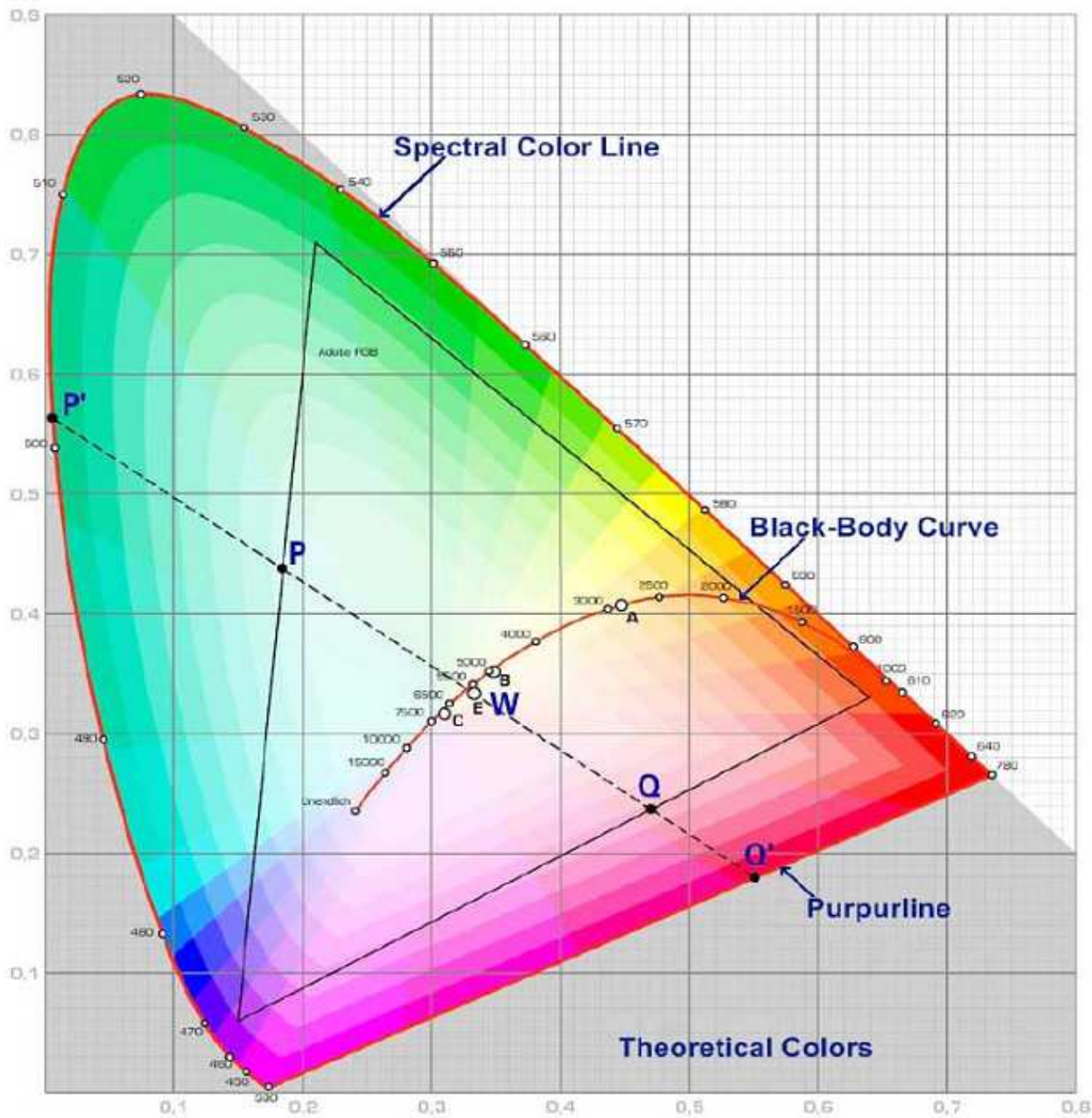


Round LED Red	
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Color table curve



Round LED Red	
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