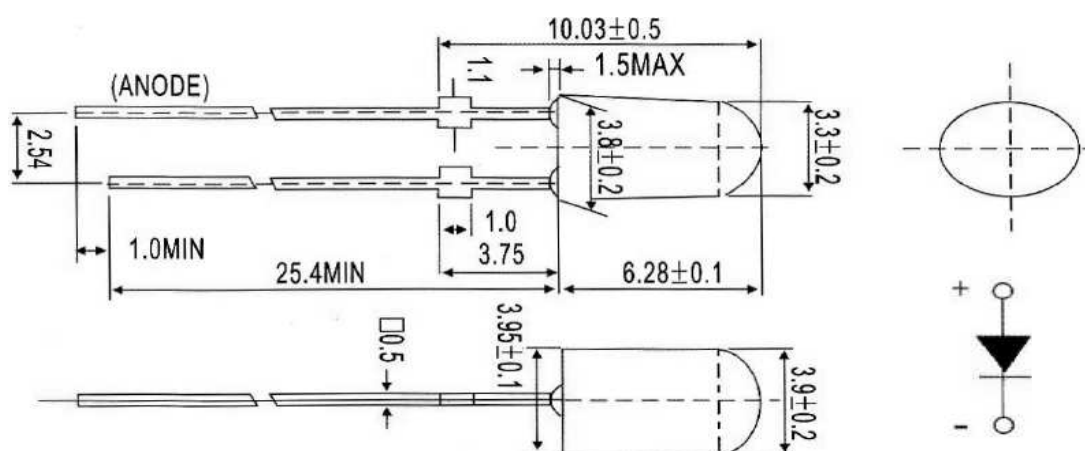




Applications

- 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.

**Oval LED
Blue**

Part No.: **M13E9001**

Customer:

DRW:	Dong	CHKD	Chang	MATL:	Chui	DATE	05.12.2009
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Absolute Maximum Ratings

Ta=25°C

Item	Symbol	InGaN	Unit
Power Dissipation	P _D	---	mW
DC Forward Current	I _F	20	mA
Pulsed Forward Current	I _{FP} *	---	mA
Reverse Voltage	V _R	---	V
Operating Temperature	T _{OP}	---	°C
Storage Temperature	T _{ST}	-55 to 100	°C

* 0.1 msec pulse, 10% duty cycle

Electrical / Optical Characteristics

I_F=20mA Ta=25°C

Emitting Color	Blue		
Material	InGaN		
Forward Voltage	typ.	3.5	V _F
	max.	4.3	V _F
Wavelength typ.	λ _D	470	nm
	λ _P	---	nm
	Δλ	---	nm
Color Temperature	min.	---	K
	max.	---	K
Luminous Intensity *	min.	63	mcd
	typ.	100	mcd
Reverse Current	max.	---	μA
Viewing Angle	2Θ1/2	x = 140 y = 100	

* Per NIST standards

Oval LED Blue

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Directive Characteristics

Oval LED Blue

Part No.: **M13E9001**

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Curve

***Oval LED
Blue***

Part No.: **M13E9001**

Customer:

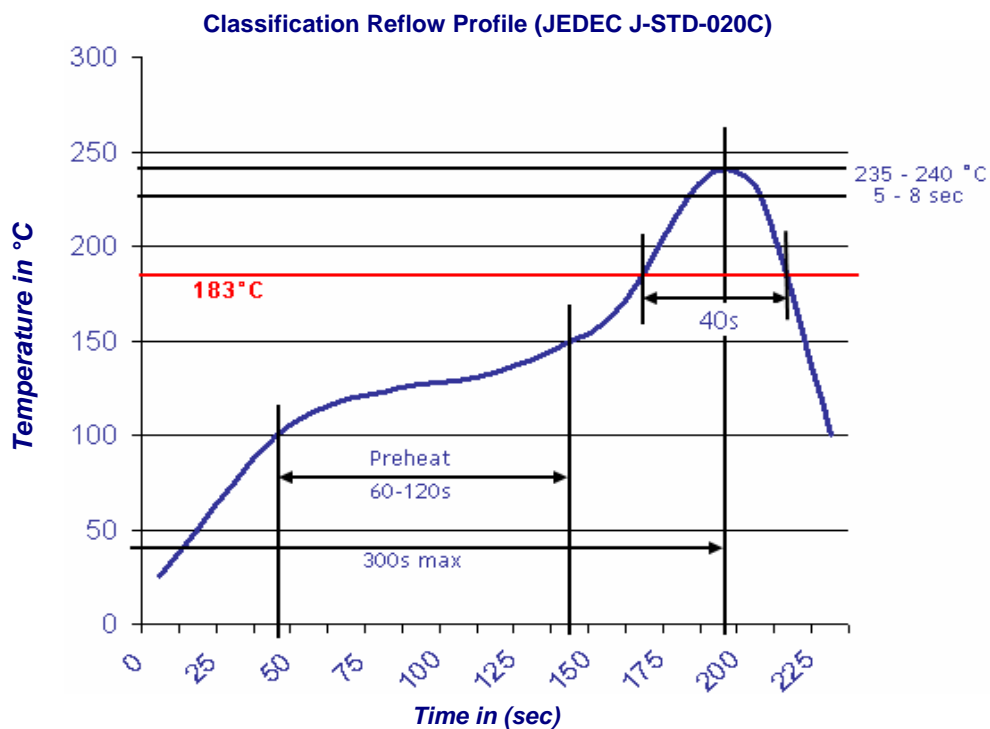
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Solder Condition

Lead Free Solder



**Oval LED
Blue**

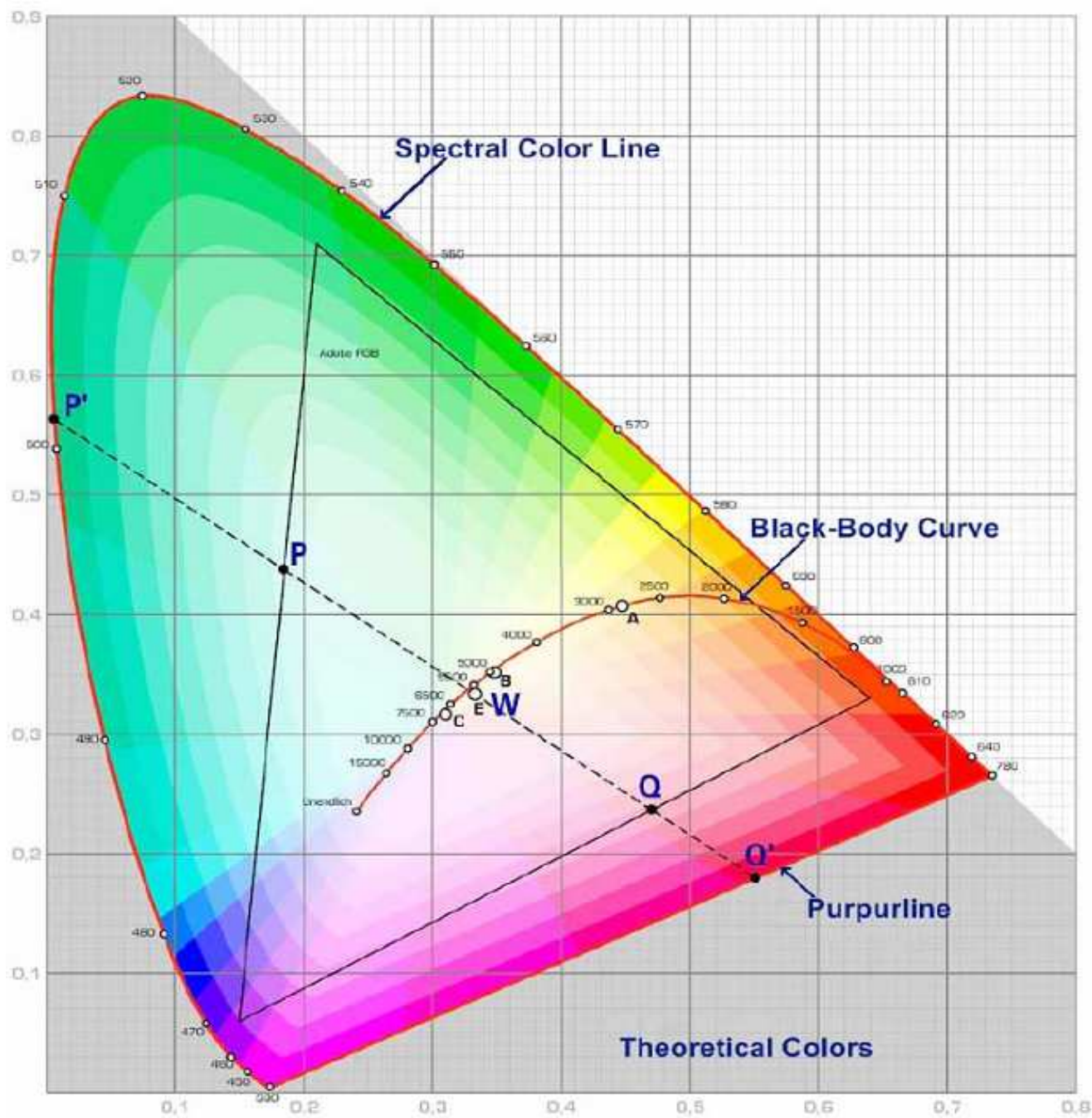
Part No.: **M13E9001**

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Color table curve



**Oval LED
Blue**

Part No.: **M13E9001**

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