EDCON COMPONENTS
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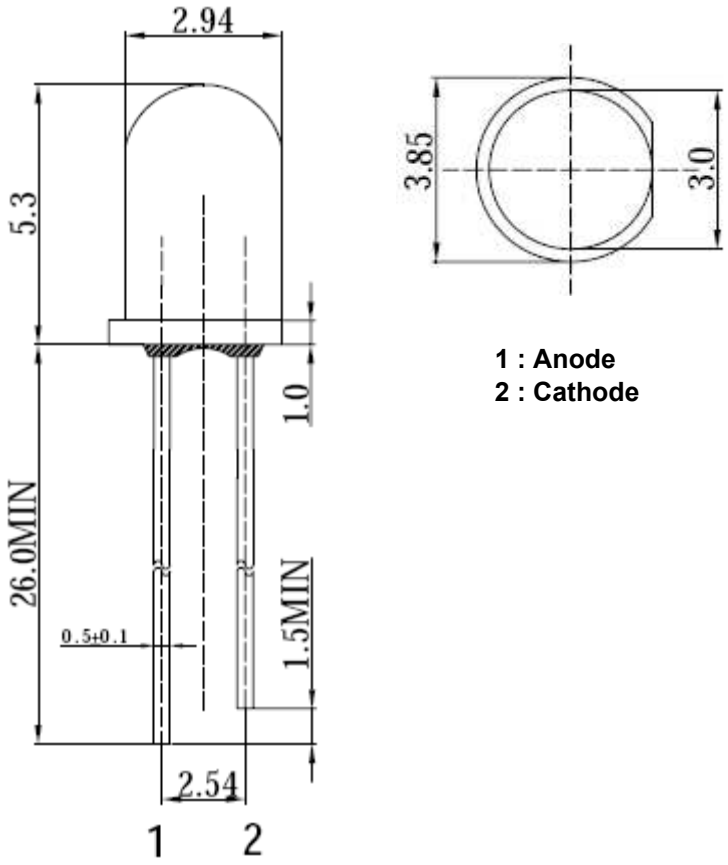
Applications

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

Technical Drawing



1 : Anode
2 : Cathode

Notes :

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

Round LED
Red

Part No.: **M13A2057**

Customer:

DRW:	Dong	CHKD	Chang	MATL:	Chui	DATE	30.06.2010
APPD:	Ping			FINISH	Hui	Sheet	1 from 6

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Absolute Maximum Ratings

Item	*Symbol*	*GaAsP*	*Unit*
Power Dissipation	P_D	---	mW
DC Forward Current	I_F	20	mA
Plused Forward Current	I_{FP}*	---	mA
Reverse Voltage	V_R	---	V
Operating Temperature	T_{OP}	---	°C
Storage Temperature	T_{ST}	---	°C

* 0.1 msec pulse, 10% duty cycle

Electrcal / Optical Characteristics

Ermitting Color	Red		
Material	GaAsP		
Forward Voltage	typ.	1.9	V_F
	max.	2.3	V_F
Wavelength typ.	λD	630	nm
	λP	640	nm
	Δλ	---	nm
Color Temperature	min.	---	K
	max.	---	K
Luminous Intensity *	min.	50	mcd
	typ.	100	mcd
Reverse Current	max.	---	μA
Viewing Angle	2Θ1/2	60	

* Per NIST standards

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Directive Characteristics

					Round LED ***Red***		
					Part No.:	**M13A2057**	
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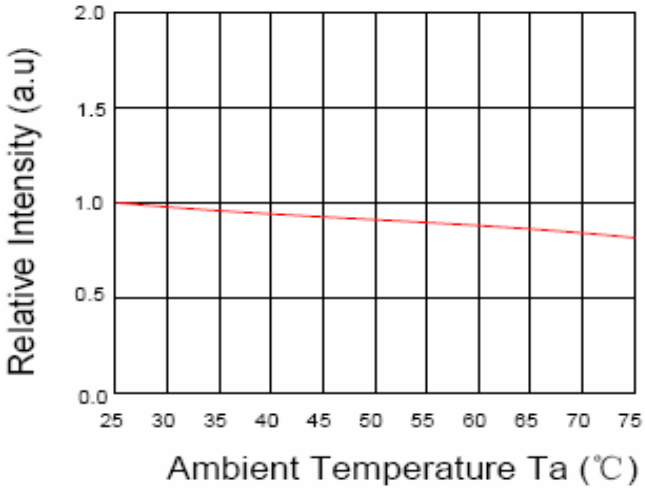
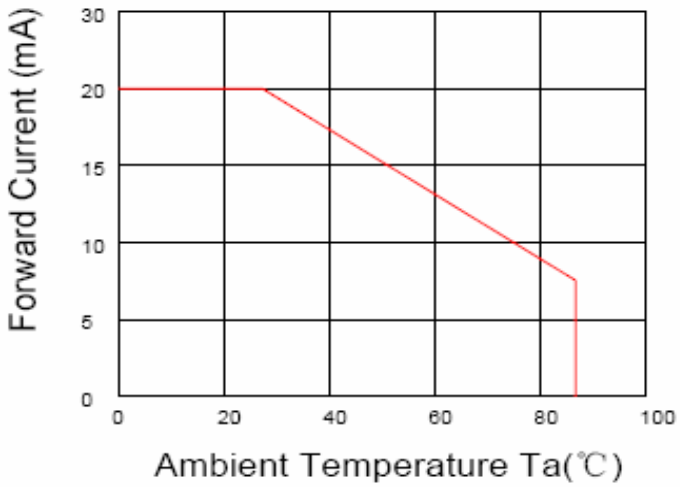
Curve

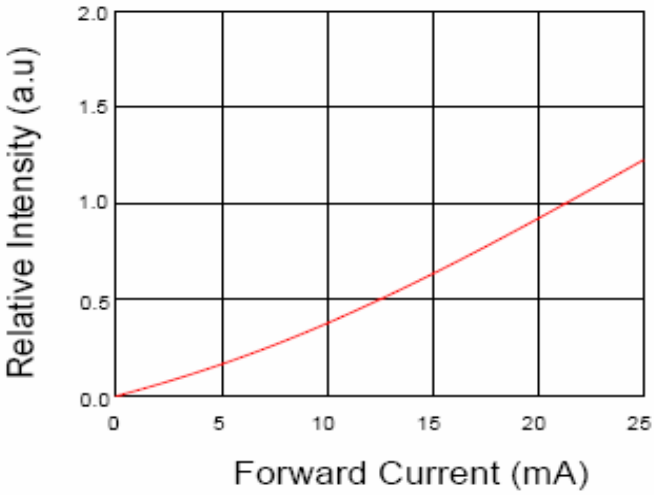
Relative Intensity VS. Ambient Temp



Forward Current VS.Ambient Temp



Forward Current VS.Relative Intensity



Round LED ***Red***	
Part No.:	**M13A2057**
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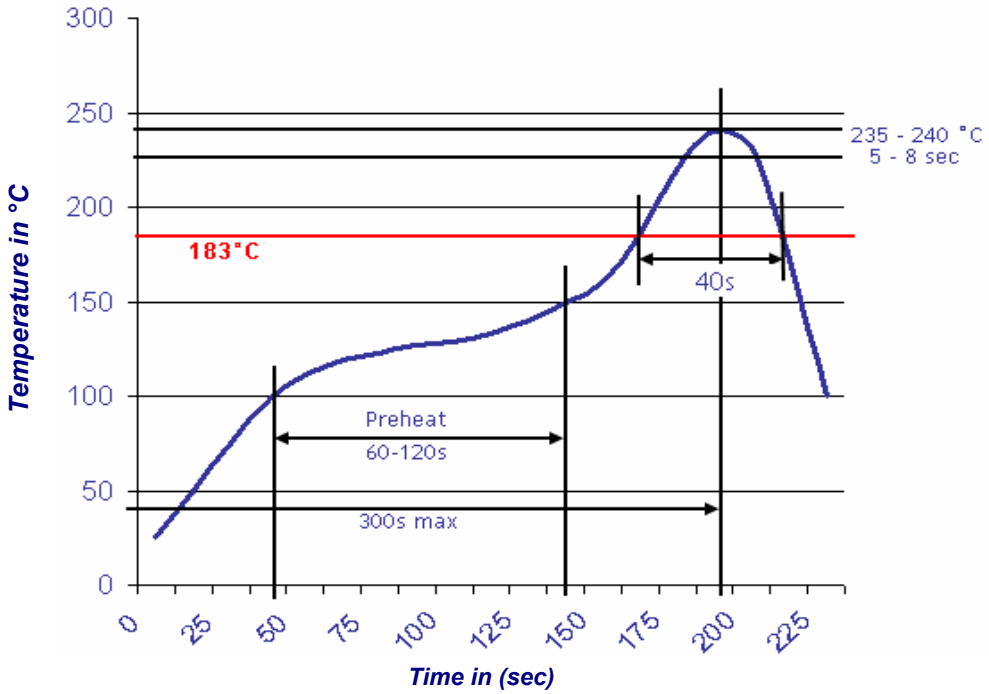
Solder Condition

Lead Free Solder

Classification Reflow Profile (JEDEC J-STD-020C)



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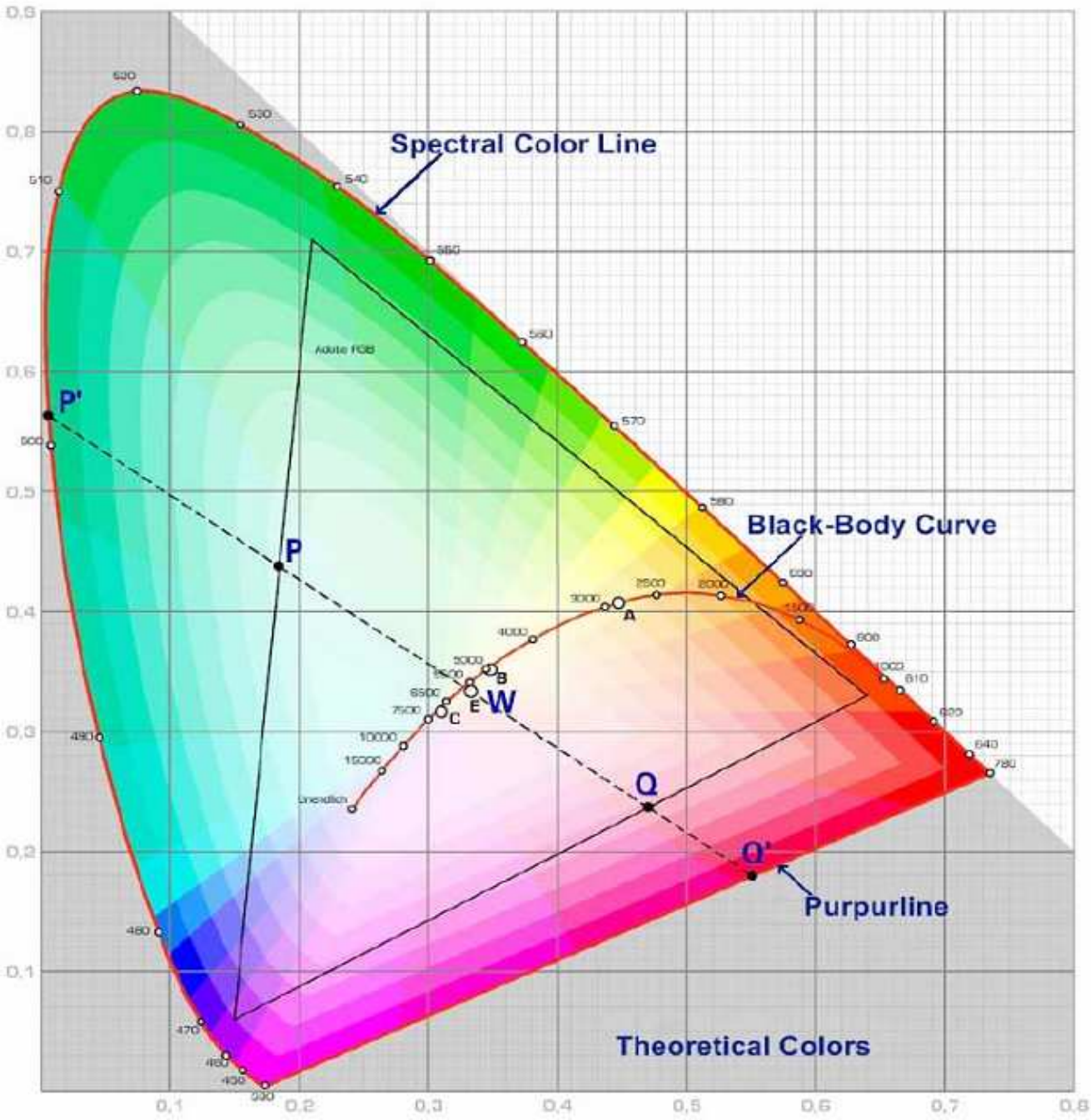
Color table curve



Round LED	
Red	
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