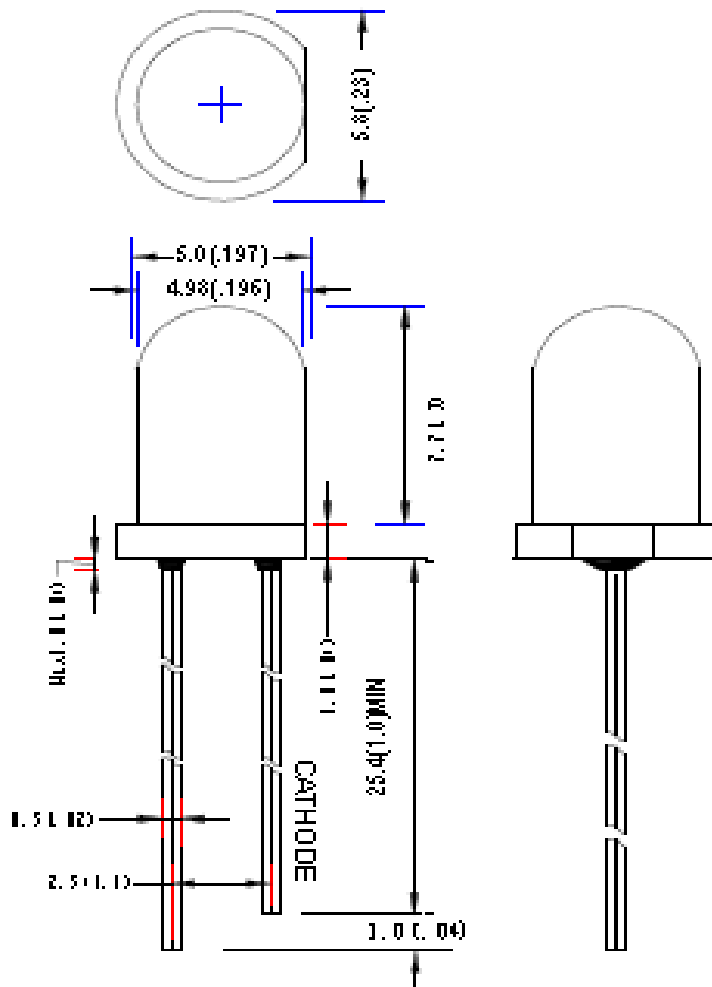




Applications

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

Technical Drawing



Notes :

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

THT 5mm RoundLED White	
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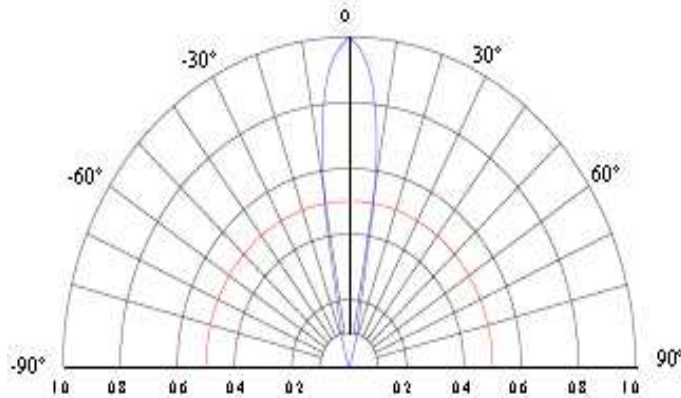
Absolute Maximum Ratings

Parameter	MAX.	Unit
Power Dissipation	70	mW
Peak Forward Current	100	mA
Continuous Forward Current	25	mA
Derating Linear from 50°C	0,4	mA/°C
Reverse Voltage	5	V
Electrostatic Discharge (ESD)	150	V
Operating Temperature Range	-20°C ~ +80°C	°C
Storage Temperature Range	-30°C ~ +100°C	°C

Electrical / Optical Characteristics

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I _v		15000		mcd	I _F =20mA
Viewing Angle	2θ 1/2	15	20	25	Deg.	
Wavelength					nm	
Chromaticity Coordinates	X		0,30			
	Y		0,30			
Color Temperature	CCT		8000		K	
Forward Voltage	V _F	2,8	3,2	3,4	V	
Reverse Current	I _R			10	μA	V _R =5V

Directive Characteristics



**THT 5mm RoundLED
White**

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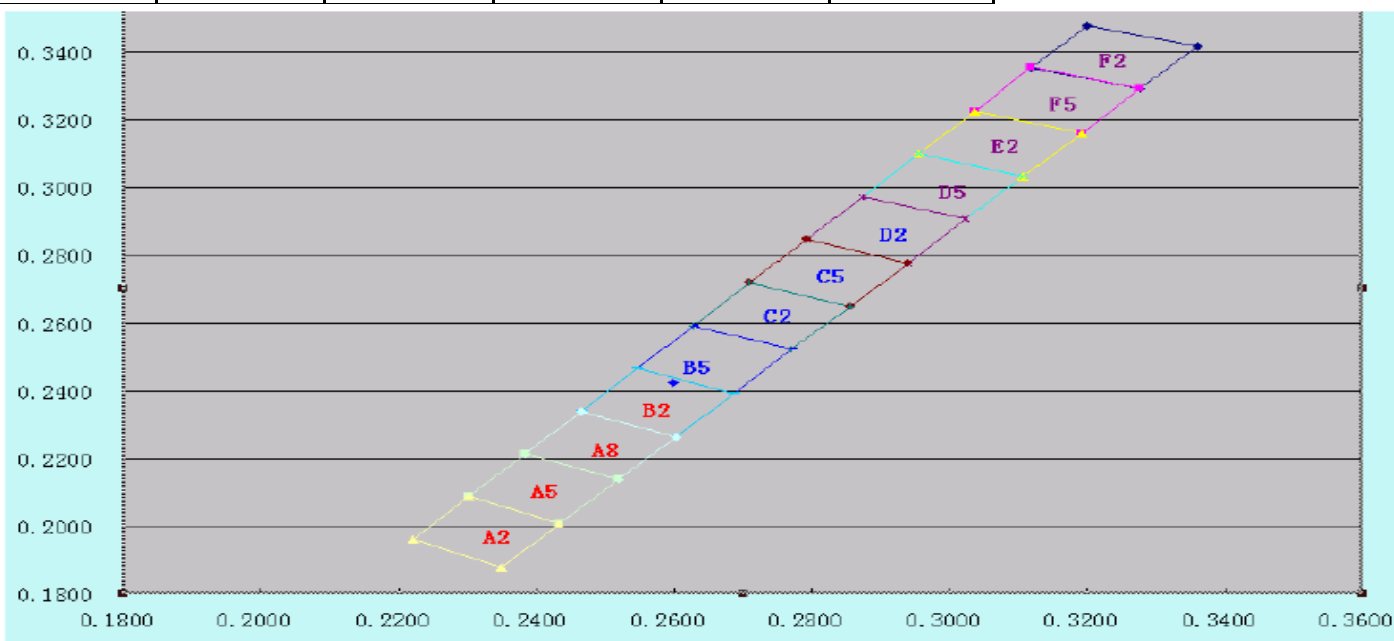
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Chromaticity Coordinates

BIN	CIE	TOP	RIGHT	BOTT	LEFT
A2	X	0,2302	0,2434	0,2350	0,2220
	Y	0,2087	0,2008	0,1880	0,1960
A5	X	0,2383	0,2518	0,2434	0,2302
	Y	0,2213	0,2137	0,2008	0,2087
A8	X	0,2465	0,2602	0,2518	0,2383
	Y	0,2340	0,2265	0,2137	0,2213
B2	X	0,2547	0,2687	0,2602	0,2465
	Y	0,2467	0,2393	0,2265	0,2340
B5	X	0,2628	0,2771	0,2687	0,2547
	Y	0,2593	0,2522	0,2393	0,2467
C2	X	0,2710	0,2855	0,2771	0,2628
	Y	0,2720	0,2650	0,2522	0,2593
C5	X	0,2792	0,2939	0,2855	0,2710
	Y	0,2847	0,2778	0,2650	0,2720
D2	X	0,2873	0,3023	0,2939	0,2792
	Y	0,2973	0,2907	0,2778	0,2847
D5	X	0,2955	0,3108	0,3023	0,2873
	Y	0,3100	0,3035	0,2907	0,2973
E2	X	0,3037	0,3192	0,3108	0,2955
	Y	0,3227	0,3163	0,3035	0,3100
E5	X	0,3118	0,3276	0,3192	0,3037
	Y	0,3358	0,3292	0,3163	0,3227
F2	X	0,3200	0,3360	0,3276	0,3118
	Y	0,3480	0,3420	0,3292	0,3353



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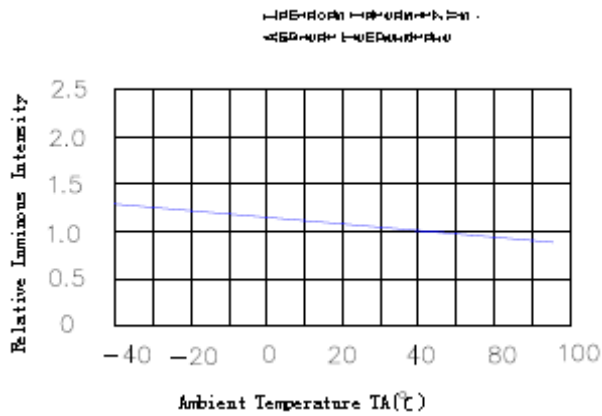
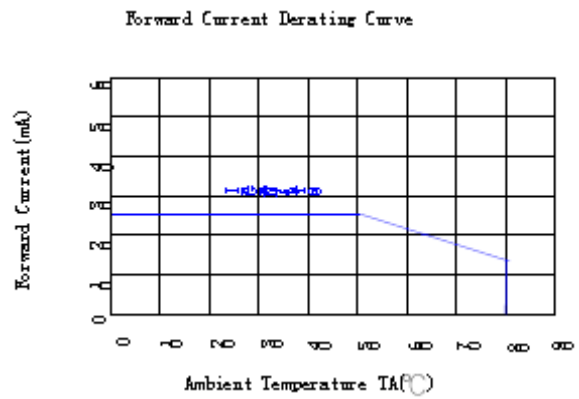
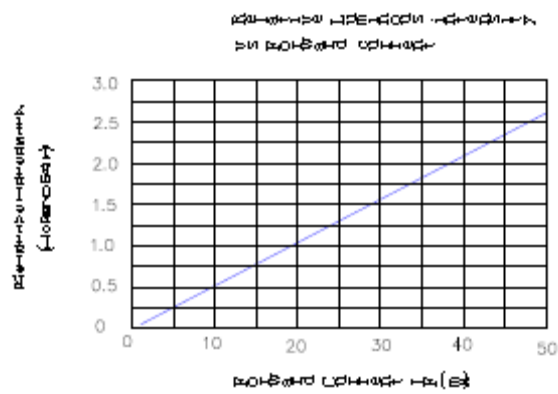
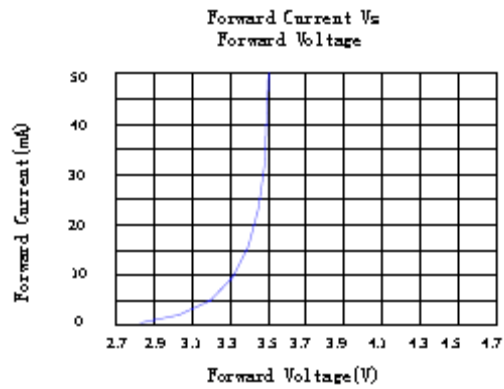
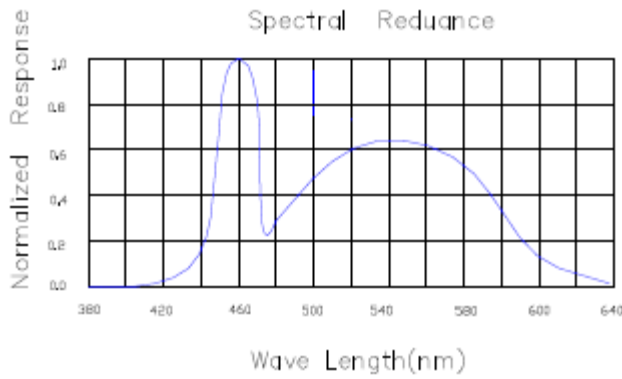
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Curve



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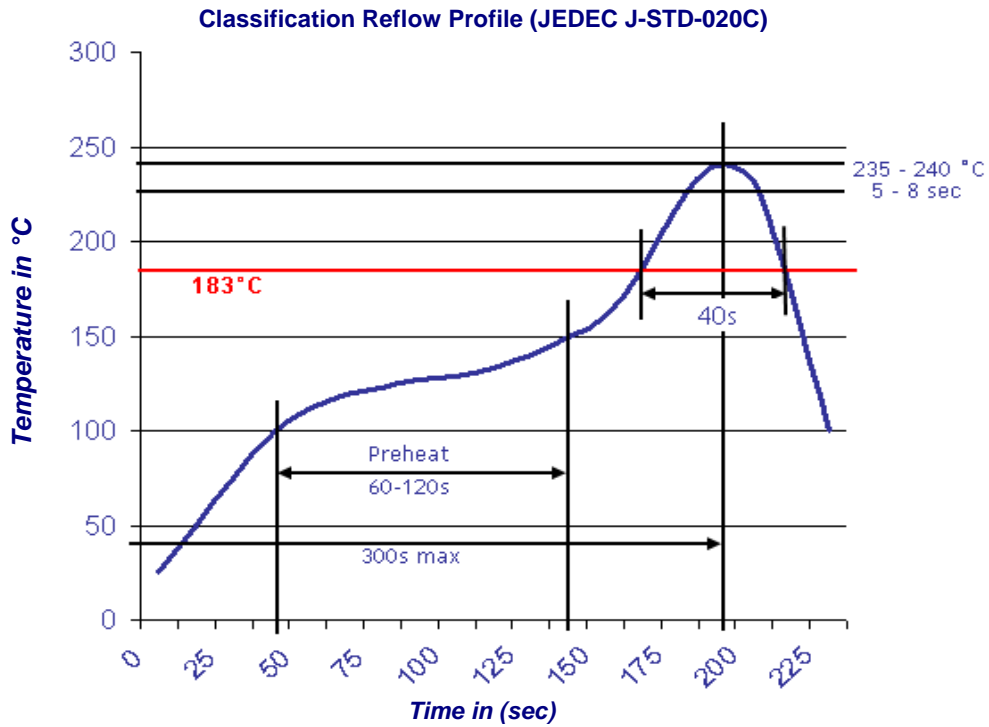
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Solder Condition

Lead Free Solder



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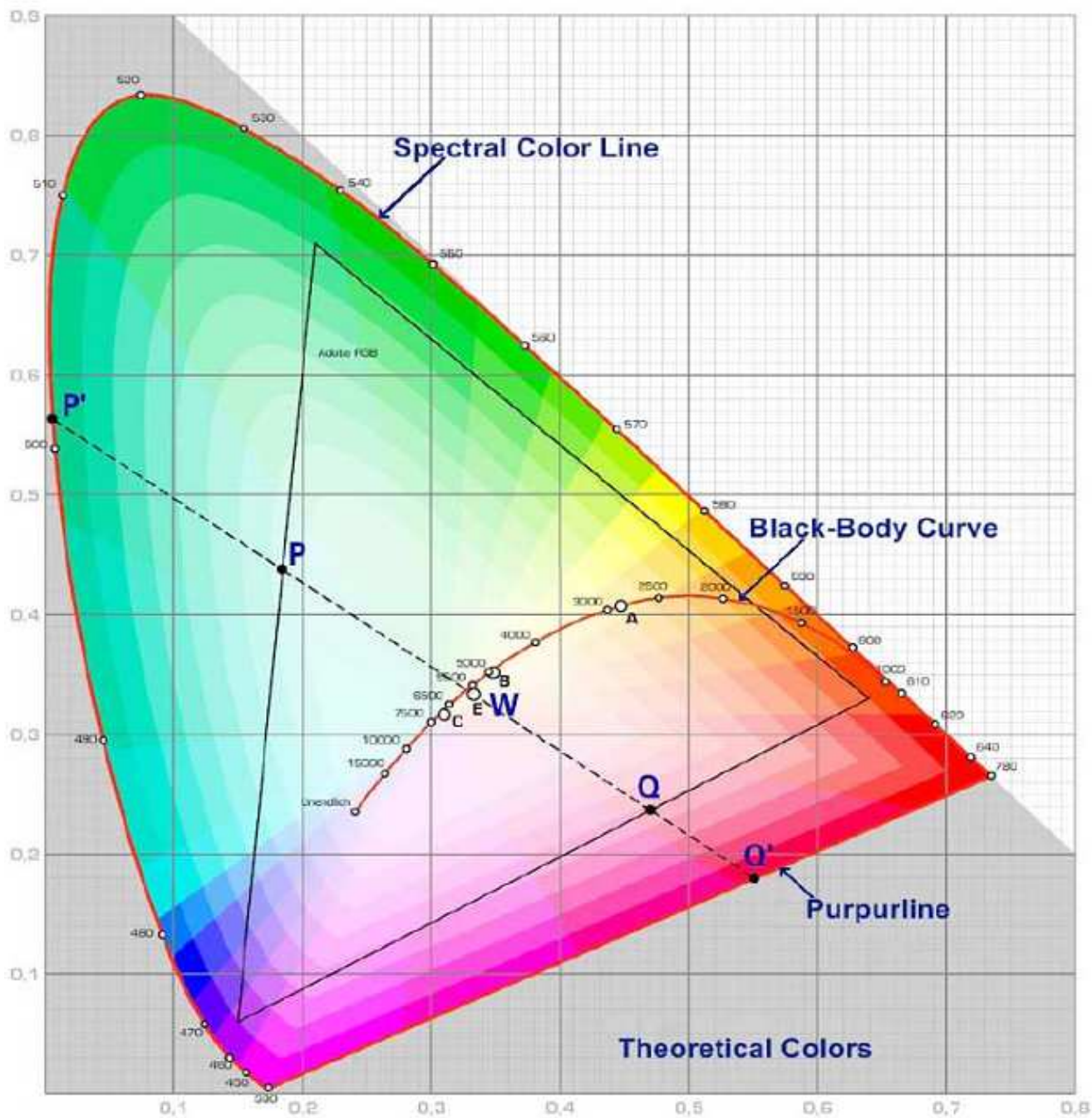
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Color table curve



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