

SMD LED

1206, Super-Blue

multicomp **PRO**

RoHS
Compliant



Specifications:

Dice Material	: InGaN
Emitted Colour	: Super Blue
Epoxy Colour	: Water Clear
Peak Wavelength	: 470nm
Viewing Angle	: 140°
Luminous Intensity (IV)	: 65mcd

Absolute Maximum Ratings (T_a = 25°C)

Reverse Voltage	5V
Reverse Current	10µA (V _R = 5V)
Operating Temperature Range	-40°C to +85°C
Storage Temperature Range	-40°C to +100°C
Lead Soldering Temperature Range 1.6mm (1/16 inch) from body	260°C for 5 Seconds

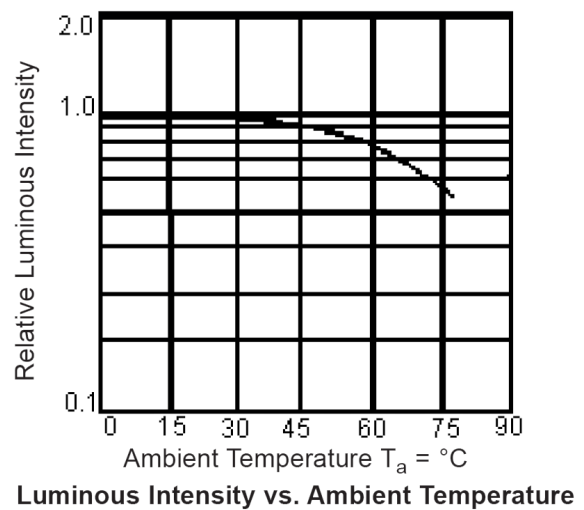
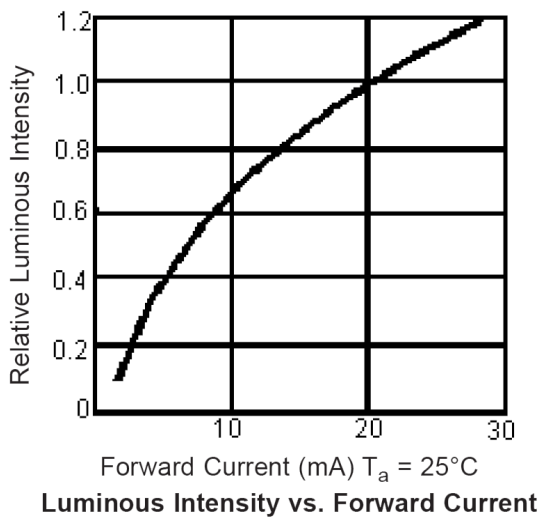
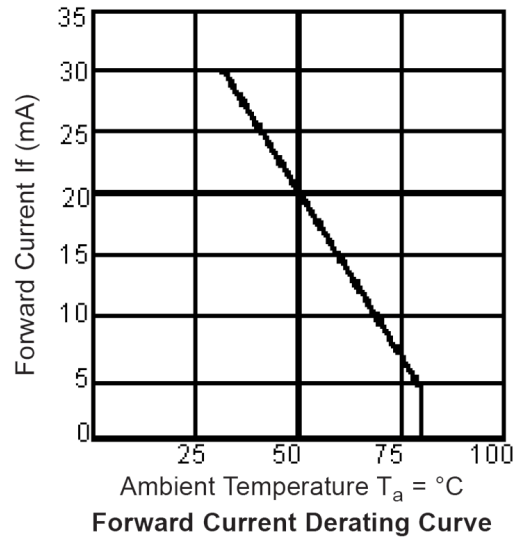
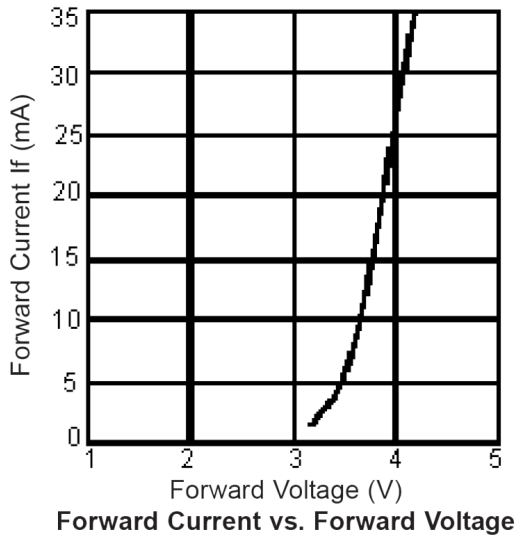
Electrical/Optical Characteristics at T_a = 25°C

Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	32	65	98	mcd	IF = 20mA
Viewing Angle	2θ 1/2	-	140	-	degrees	
Peak Emission Wavelength	λ _P	-	470	-	nm	-
Dominant Wavelength	λ _D	-	472	-		-
Spectral Line Half-Width	Δλ	-	45	-		-
Forward Voltage	V _F	2.7	3.4	4	V	IF = 20mA
Power Dissipation	P _d	-	-	85	-	-
Peak Forward Current (Duty 1/10 at 1kHz)	IF (Peak)	-	-	100	-	-
Recommended Operating Current	IF (Rec)	-	20	-	mA	-

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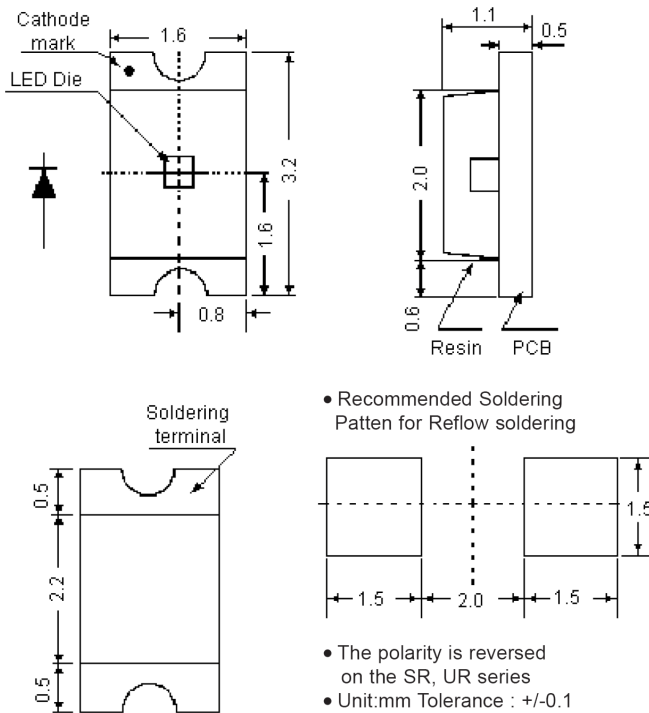
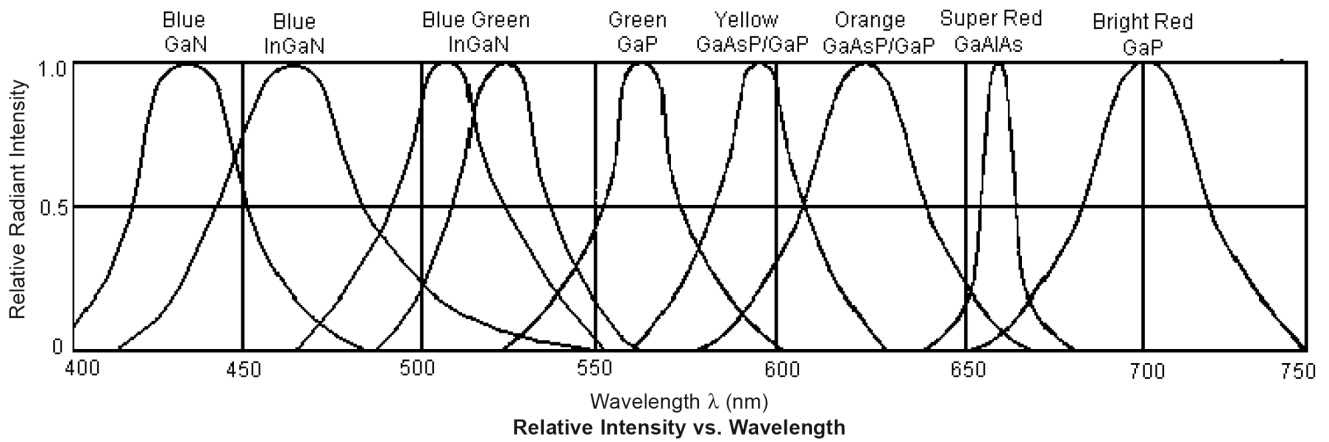
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Super Blue (InGaN $\lambda_P = 470\text{nm}$)



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Dimensions : Millimetres

Part Number Table

Description	Part Number
LED, SMD, 1206, Super-Blue	MCL-S250SBLC

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