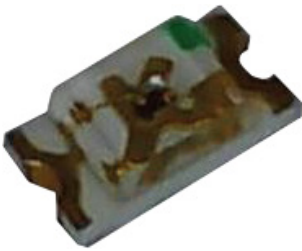


0603 SMD LED

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)	: 50mcd

Absolute Maximum Ratings (T_A = 25°C)

Reverse Voltage	5V
Reverse Current	10µA (V _R = 5V)
Electrostatics Discharge (ESD)	200V
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

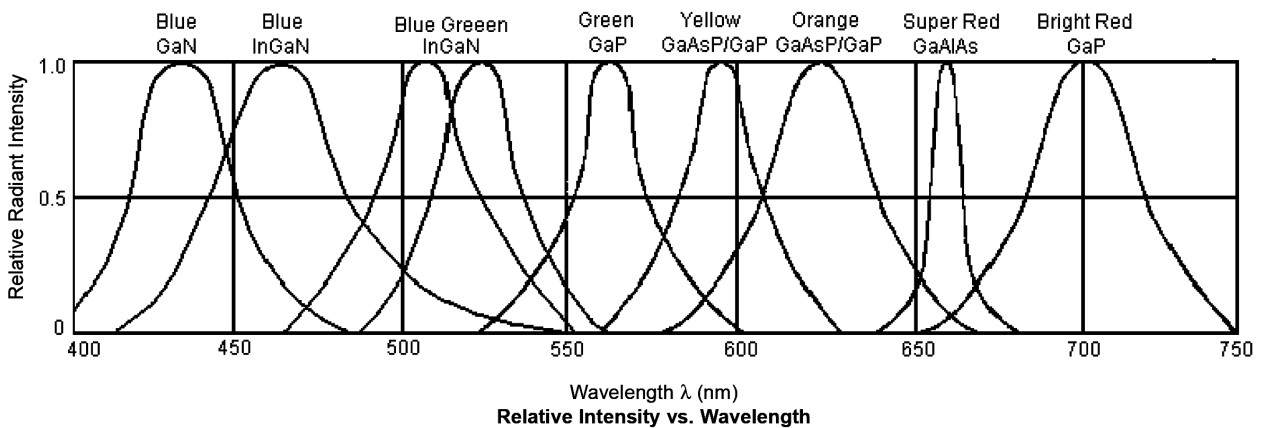
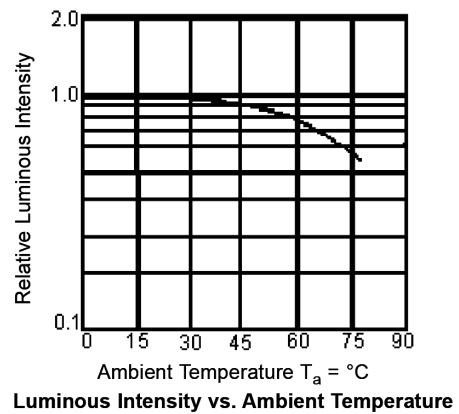
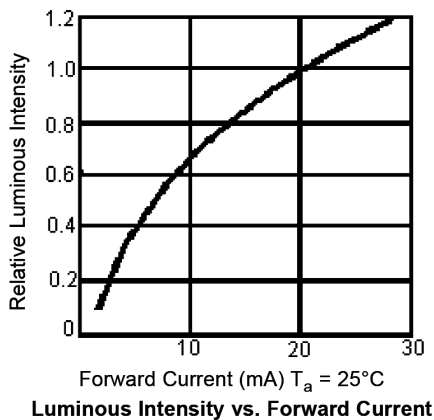
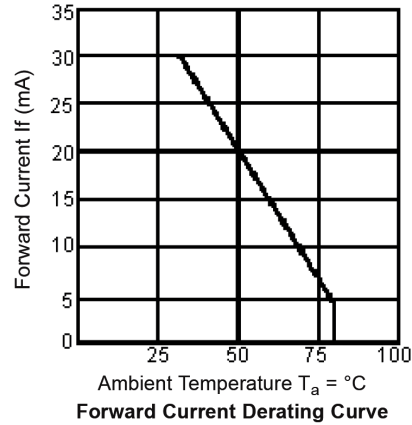
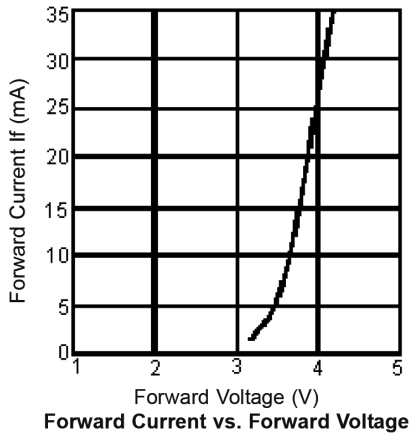
Electrical/Optical Characteristics at T_A = 25°C

Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	25	50	75	mcd	IF = 20mA
Viewing Angle	2θ 1/2	-	140	-	degrees	
Peak Emission Wavelength	X	-	470	-	nm	-
Dominant Wavelength	Y	-	472	-		-
Spectral Line Half-Width	Δλ	-	45	-		-
Forward Voltage	V _F	2.7	3.4	4.0	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	-

0603 SMD LED

Super Blue

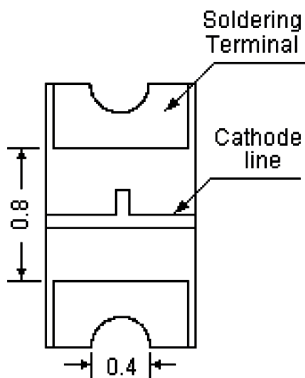
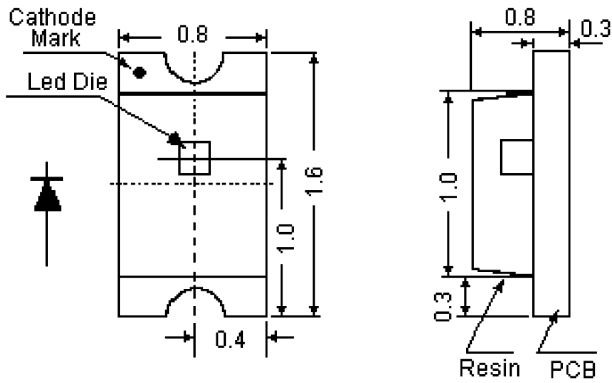
Super Blue (InGaN) $\lambda_P = 470\text{nm}$



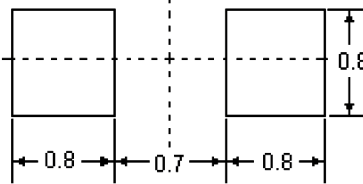
0603 SMD LED

Super Blue

Diagram



• Recommended Soldering Patten for Reflow Soldering



- The polarity is reversed on the SR series
- Unit:mm Tolerance : +/-0.1

Dimensions : Millimetres

Part Number Table

Description	Part Number
LED, SMD, 0603, Super-Blue	MCL-S291SBLC

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