

Soldering t<u>erminal</u>

Cathode

line

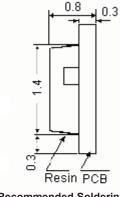
±0.15

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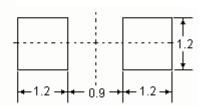
0.4 ±0.15

Specifications:

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 Recommended Patten for Reflow Soldering



• The polarity is reversed on the SR, UR series • Tolerance : ±0.1

Dimensions : Millimetres

: InGaN
: Super blue
: Water clear
: 470 nm
: 140 degrees
: 55 mcd

	Luminous Intensity	IV	
	Viewing Angle	20 1/2	
	Peak Emission Wavelength	λΡ	
-	Dominant Wavelength	λD	
└┯┘	Spectral Line Half-Width	Δλ	
n PCB	Forward Voltage	VF	
I Soldering	Power Dissipation	Pd	

Parameter

	-				
Luminous Intensity	IV	45	55	75	
Viewing Angle	20 1/2	-	140	-	d

Symbol

Electrical / Optical Characteristics at T_a = 25°C

Luminous Intensity	IV	45	55	75	mcd	IF = 20 mA
Viewing Angle	20 1/2	-	140	-	degrees	1F - 20 MA
Peak Emission Wavelength	λΡ	-	470	-		-
Dominant Wavelength	λD	-	472	-	nm	-
Spectral Line Half-Width	Δλ	-	45	-		-
Forward Voltage	VF	2.8	3.5	4	V	IF = 20 mA
Power Dissipation	Pd	-	-	85	-	-
Peak Forward Current Duty 1 / 10 at 1 KHz)	IF (Peak)	-	-	100	-	-
Recommended Operating Current	IF (Rec)	-	20	-	mA	-

Minimum

Typical

Maximum

Unit

Absolute Maximum Ratings ($T_a = 25^{\circ}C$)

Reverse Voltage	5 V
Reverse Current	10 µA (V _R = 5 V)
Electrostatic Discharge (ESD)	200 V
Operating Temperature Range	-40°C to 85°C
Storage Temperature Range	-40°C to 100°C
Lead Soldering Temperature	260°C for 5 Seconds



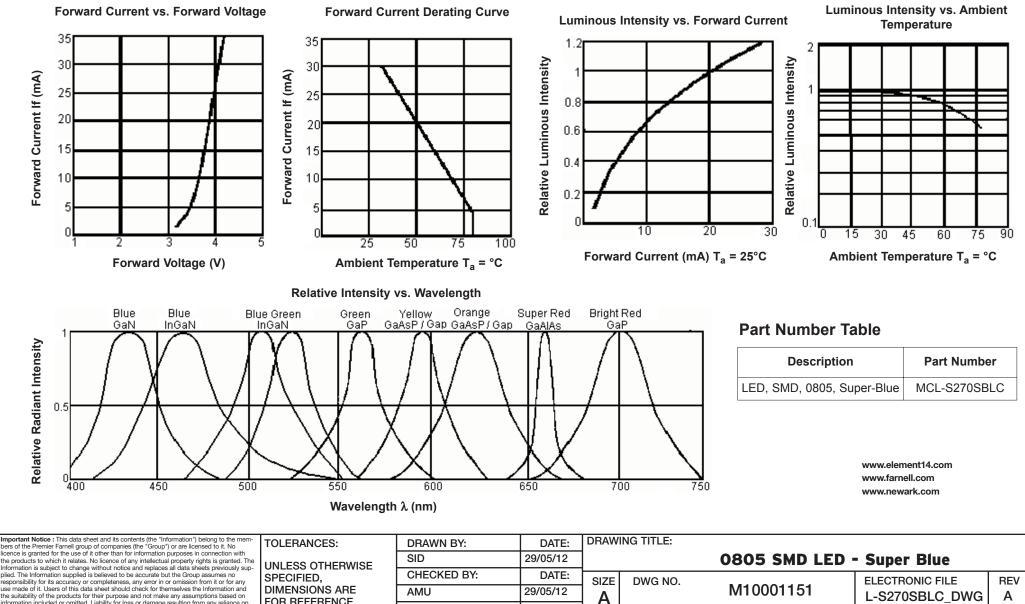
DATE

Test

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	SPECIFIED,	CHECKED BY:	DATE:	SIZE DWG NO.		ELECTRONIC FILE	REV
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